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1901-02

College Bulletins

s II, Number I
April, 1902

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UNIVERSITY OF ILLINOIS

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# Parsons College Catalogue

## 1901=1902

ISSUED BY

PARSONS COLLEGE

FAIRFIELD, IOWA

[Entered at the Post-Office at Fairfield, Iowa as Second-Class Matter]

ANNUAL CATALOGUE

OF

# PARSONS COLLEGE

FOR THE

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS.

COLLEGE YEAR 1901-1902

WITH

ANNOUNCEMENTS FOR 1902-1903

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FAIRFIELD, IOWA
PUBLISHED BY THE COLLEGE
1902

# CALENDAR-1902

## JANUARY.

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## JUNE.

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# 1903

## JANUARY.

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## FEBRUARY.

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## MARCH.

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## APRIL.

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## JUNE.

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# College Calendar.

## 1901.

| | | |
|---|---|---|
| September 17. | Tuesday . . . | Fall Term Begins. |
| September 17. | Tuesday . . . | Registration and Entrance Examinations. |
| November 28. | Thursday . . | Thanksgiving Recess. |
| December 1. | Sunday . . . | |
| December 19. | Thursday . . . | Oratorical Association's Annual Contest. |
| December 19. | Thursday . . . | Fall term ends. |

## 1902.

| | | |
|---|---|---|
| January 7. | Tuesday . . . | Winter Term Begins. |
| January 30. | Thursday . . . | Day of Prayer for Colleges. |
| February 22. | Saturday . . . | Washington's Birthday. |
| March 20. | Thursday . . . | Winter term ends. |
| March 21. | Friday . . . . | Spring Term Begins. |
| May 30. | Friday . . . . | Foster Prize Debate. |
| June 1. | Sunday . . . . | Baccalaureate Sermon. |
| June 1. | Sunday . . . . | Address before the Christian Associations. |
| June 2. | Monday . . . | Concert by School of Music. |
| June 3. | Tuesday . . . | Meeting of Board of Trustees. |
| June 3. | Tuesday . . . | Graduating Exercises and Annual Prize Contest of the Academy. |
| June 3. | Tuesday . . . | Exercises of Literary Societies. |
| June 4. | Wednesday . . | Examinations for Admission. |
| June 4. | Wednesday . . | Class Day. |
| June 4. | Wednesday . . | Junior and Freshman Prize Contests. |
| June 5. | Thursday . . . | Alumni Meeting. |
| June 5. | Thursday . . . | Commencement Day. |

| | | |
|---|---|---|
| September 16. | Tuesday . . . | Fall Term Begins. |
| September 16. | Tuesday . . . | Registration and Entrance Examinations. |
| November 27. | Thursday . . | Thanksgiving Recess. |
| November 30. | Sunday . . . | |
| December 18. | Thursday . . . | Oratorical Association's Annual Contest. |
| December 18. | Thursday . . . | Fall term ends. |

## 1903.

| | | |
|---|---|---|
| January 6. | Tuesday . . . | Winter Term Begins. |
| January 29. | Thursday . . . | Day of Prayer for Colleges. |
| February 22. | Sunday . . . . | Washington's Birthday. |
| March 19. | Thursday . . . | Winter term ends. |
| March 20. | Friday . . . . | Spring Term Begins. |
| May 29. | Friday . . . . | Foster Prize Debate. |
| May 31. | Sunday . . . . | Baccalaureate Sermon. |
| May 31. | Sunday . . . . | Address before the Christian Associations. |
| June 1. | Monday . . . | Concert by School of Music. |
| June 2. | Tuesday . . . | Meeting of Board of Trustees. |
| June 2. | Tuesday . . . | Graduating Exercises and Annual Prize Contest of the Academy. |
| June 2. | Tuesday . . . | Exercises of Literary Societies. |
| June 3. | Wednesday . . | Examinations for Admission. |
| June 3. | Wednesday . . | Class Day. |
| June 3. | Wednesday . . | Junior and Freshman Prize Contests. |
| June 4. | Thursday . . . | Alumni Meeting. |
| June 4. | Thursday . . . | Commencement Day. |

# Board of Trustees.

| | | |
|---|---|---|
| | Hon. Charles D. Leggett, | Fairfield, Iowa |
| | Thomas D. Foster, | Ottumwa, Iowa |
| RETIRE | George W. Cable, | Davenport, Iowa |
| 1902 | Rev. F. W. Hinitt, Ph. D., | Fairfield, Iowa |
| | Hon. W. S. Dungan, | Chariton, Iowa |
| | Paul S. Junkin, | Corning, Iowa |
| | Gen. Lewis B. Parsons, | Flora, Illinois |
| | William C. Howell, Esq., | Keokuk, Iowa |
| RETIRE | Rev. A. B. Marshall, D. D., | Des Moines, Iowa |
| 1903 | William E. Thompson, | Fairfield, Iowa |
| | A. Scott Jordan, | Fairfield, Iowa |
| | B. S. McElhinny, | Fairfield, Iowa |
| | R. L. Parrish, Esq., | Leon, Iowa |
| | Rev. Willis G. Craig, D. D., LL. D., | Chicago, Illinois |
| RETIRE | William H. Hughes, | Columbus Junction, Iowa |
| 1904 | Rev. J. F. Hinkhouse, | Audubon, Iowa |
| | Racine D. Kellogg, | Kansas City, Missouri |
| | W. W. Junkin, | Fairfield, Iowa |
| | John C. Thorne, | Fairfield, Iowa |
| | W. E. Blake, Esq., | Burlington, Iowa |
| RETIRE | Rev. Cary F. Moore, | Fulton, Illinois |
| 1905 | Rev. E. B. Newcomb, D. D., | Keokuk, Iowa |
| | Rev. J. F. Magill, D. D.,* | Fairfield, Iowa |
| | W. B. Seeley, Esq., | Mt. Pleasant, Iowa |
| | Charles Parsons, Esq., | St. Louis, Missouri |
| | W. G. Ross, Esq., | Fairfield, Iowa |
| RETIRE | Rev. Hervey B. Knight, | Fairfield, Iowa |
| 1906 | Rev. T. D. Ewing, D. D., | Corning, Iowa |
| | M. N. Spencer, | Red Oak, Iowa |
| | Rev. Harry R. Stark, Ph. D., | Frankfort, Indiana |

* Deceased.

## OFFICERS OF THE BOARD.

Rev. Willis G. Craig, D. D., LL. D., President.
Thomas D. Foster, Vice-President.
B. S. McElhinny, Secretary.
Rev. Hervey B. Knight, General Secretary.
William E. Thompson, Treasurer.

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## EXECUTIVE COMMITTEE.

Thomas D. Foster, Chairman.
W. G. Ross, Esq., Secretary.

A. Scott Jordan, W. E. Blake, Esq.,
George W. Cable, B. S. McElhinny,
William E. Thompson.

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## FINANCIAL COMMITTEE.

Hon. Charles D. Leggett, W. G. Ross, Esq.,
B. S. McElhinny.

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## VISITORS OF THE BOARD OF TRUSTEES.

Rev. A. B. Marshall, D. D., Des Moines, Iowa.
Rev. Harry R. Stark, Ph. D., Frankfort, Indiana.
M. N. Spencer, Red Oak, Iowa.
William H. Hughes, Columbus Junction, Iowa.

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## VISITORS OF THE SYNOD OF IOWA.

Rev. T. K. Hunter, D. D., Villisca, Iowa.
Rev. J. T. Hopkins, Indianola, Iowa.
Charles R. Chase, Des Moines, Iowa.

# Faculty.

REV. FREDERICK W. HINITT, PH. D.,
*President,*
*Armstrong Professor of Mental and Moral Sciences.*

REV. HERVEY B. KNIGHT, M. A.,
*Dean, Professor, and General Secretary.*

WILLIAM A. WIRTZ, M. A.,*
*Professor of Modern Languages.*

GEORGE DANIEL GABLE, PH. D.,
*Hunt Professor of Mathematics, and Secretary of the Faculty.*

FRED DEFOREST HEALD, PH. D.,
*Ringland Professor of Biology.*

JOB EDGAR JOHNSON, M. A.,
*Levi Parsons Professor of the Latin Language and Literature.*

WILLIAM W. MENDENHALL, B. A.,
*Associate Professor of Physics and Chemistry.*

JAMES BRYANT HOPKINS, B. A.,
*Thomas Harvey Skinner Professor of the Greek Language and Literature.*

CORA SMILEY, M. S.,
*Instructor in History and in the English Language and Literature, and Dean of Women.*

KATE HINITT,
*Instructor in Stenography, and Librarian.*

MAX BATT, PH. D.,†
*Instructor in German.*

* Absent on leave.
† Ad interim.

REV. JOHN F. MAGILL, D. D.,*
*Instructor in Biblical History and Evidences.*

JOHN V. BEAN, M. D.,
*Lecturer on Sanitary Science.*

REV. HARRY R. STARK, PH. D.,
*Lecturer on the History of Philosophy.*

WILLIAM G. ROSS, M. A.,
*Lecturer on the Constitution of the United States.*

EDWARD STAFFORD LUCE,
(Graduate New England Conservatory)
*Professor of Music, and Director of the School of Music.*

ELIZABETH EASTWOOD LUCE,
(Graduate New England Conservatory)
*Instructor in Vocal Music.*

BEATRICE BROWN HARPER,
*Instructor in Pianoforte.*

MRS. MARY CARMAN,
*Matron of Ballard Hall.*

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## STANDING COMMITTEES OF THE FACULTY.

*Entrance*: Professors Wirtz, Heald, Mendenhall, and Johnson.
*Scholarships:* President Hinitt, Professors Knight and Gable.
*Schedule*: Professors Wirtz and Gable.
*Catalogue:* Professors Gable, Hopkins, and President Hinitt.
*Athletics:* Professors Heald and Johnson.
*Public Exercises:* Professors Gable and Mendenhall.
*Student Publications:* President Hinitt and Miss Smiley.
*Class Officers:* Professors Heald, Johnson, and Wirtz.

* Deceased.

# Historical Statement.

The College owes its existence primarily to the liberality of Mr. Lewis B. Parsons, Sr., a native of Massachusetts, and for many years a highly respected merchant of Buffalo, N. Y. Regretting that he had not himself enjoyed the advantages of a collegiate training, Mr. Parsons, after many other generous gifts to the cause of education, resolved to crown his beneficences by devoting his entire property to the endowing of an institution of learning in the state of Iowa.

The death of Mr. Parsons in 1856 left the execution of this purpose to his two sons, the executors of his estate, Gen. L. B. Parsons, Jr., of Flora, Ill., and Charles Parsons, Esq., of St. Louis, Mo. A considerable portion of the estate consisted of property which suffered a great temporary depreciation in value during the financial crash of 1857 and the subsequent years of the rebellion; so that it was deemed inadvisable to carry the wishes of the founder into immediate execution.

In 1874, after numerous overtures from other Iowa cities had been rejected, the faithful trustees decided to accept the offer of the citizens of Fairfield to provide at a cost of about $30,000, the site and the original college building. Classes were formed in September, 1875, and the institution thus established was dedicated to the cause of Christian education and placed under the care of the Presbyterian church. The first class was graduated in 1880. The Alumni now number 279. The present buildings and campus are valued at $100,000, and the original endowment has lately been largely increased by the generous gifts of Col. Charles Parsons, Thomas D. Foster, Cyrus H. McCormick, George W. Cable, J. F. Hunt, Dr. Thomas H. Skinner, Mrs. Margaret R. Armstrong, Calvin Ballard, Alexander Mason, and other liberal friends.

# Terms of Admission.

All candidates for admission to the Freshman class should be at least fifteen years of age. They must present certificates of good moral character, and if from other colleges or universities must bring letters of honorable dismissal.

There are two methods of admission to the College:

1. By examination at the College.
2. By certificates from accredited schools.

## ADMISSION ON EXAMINATION.

Two regular entrance examinations are held, one in June and one in September. The June examination is intended for those who wish to be examined while fresh from their preparatory studies, and also for those who wish to test their qualifications at an early date, so that they may have time to make up deficiencies if necessary. Students who are in doubt as to their qualifications are urged to present themselves at this time. The September examination immediately precedes the opening of the Fall term. For the dates of these examinations see the College Calendar on pages 4 and 5.

Candidates for admission to the Freshman class are examined in the following subjects or their equivalents:

### CLASSICAL COURSE.

**I. Latin:**

GRAMMAR: Bennett's, including Prosody.

CÆSAR: four books of the Gallic War.

CICERO: six orations.

VERGIL: six books of the Æneid.

**II. Greek:**

GRAMMAR: Goodwin's or Hadley and Allen's.

FIRST GREEK BOOK: White's, or Gleason and Atherton's.

XENOPHON: two books of the Anabasis.

PROSE COMPOSITION.

**III. Mathematics:**

ARITHMETIC: including the Metric System.

ALGEBRA: Wentworth's Higher, through Quadratics.

GEOMETRY: Plane and Solid (including Spherical), Wentworth's or Wells'.

**IV. Science:**

BOTANY: Gray's Lessons, or Bergen's Elements.

PHYSICS: Gage's Elements.

**V. Civics:**

CIVIL GOVERNMENT: Townsend's.

ECONOMICS: Walker's Elementary Course.

**VI. History:**

UNITED STATES: Johnston's or Montgomery's.

GENERAL HISTORY: Myers'.

**VII. English:**

GRAMMAR: including Analysis and Prosody. It is essential that the student have a thorough knowledge of correct grammatical forms, and the attention of preparatory schools is especially called to the necessity of more extensive and exact knowledge in this line.

RHETORIC AND COMPOSITION: The student should be familiar with the main principles of Rhetoric and skilled in their application to the writing of correct and accurate English. Special stress should be laid on spelling, idiom, punctuation, sentential structure, paragraphing, and the outlining of the essay.

ENGLISH LITERATURE: Some good history of English Literature, such as Painter's Introduction to English Literature or Brooke's Primer of English Literature, and the careful study of the following works, or their equivalents:

1902—Dryden's Palamon and Arcite; Pope's Iliad, Books I, VI, XXII, and XXIV; The Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Scott's Ivanhoe; DeQuincey's Flight of a Tartar Tribe; Cooper's Last of the Mohicans; Tennyson's Princess; Lowell's Vision of Sir Launfal.

1903—Dryden's Palamon and Arcite; Pope's Iliad, Books I, VI, XXII, and XXIV; The Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; DeQuincey's Flight of a Tartar Tribe; Cooper's Last of the Mohicans; Lowell's Vision of Sir Launfal; Hawthorne's House of the Seven Gables.

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## PHILOSOPHICAL COURSE.

The same requirements as for the Classical course, except that for the Greek the following work in German is to be substituted: Thomas' Grammar, Grimm's Mærchen, Storm's Immensee, and Heyse's L'Arrabbiata.

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## SCIENTIFIC COURSE.

The same requirements as for the Philosophical course, except that for three terms' work in Cicero and three terms' work in Vergil equivalent time substitutions from the following may be offered to the extent indicated below:

Additional English Literature (three terms),
English History (three terms),
High School Physiology (one term),
High School Physical Geography (one term),
Political Economy (one term),

Astronomy (one term),
Geology (one term),
Zoology (not less than two terms),
Elementary Psychology (not less than two terms),
Additional Physics (three terms),
Chemistry (three terms).

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## ADMISSION BY CERTIFICATE.

Recommendations from the principal of any preparatory school accredited by the Standing Committee of the State Teachers' Association on Uniform College Entrance Requirements will be accepted, and examinations will be waived in all entrance subjects covered in the applicant's course of study, subject to the following conditions:

1. The principal must specifically recommend the applicant in the subjects in which exemption is asked.

2. If for any reason the work done is deemed insufficient or unsatisfactory, the Faculty reserves the right to require an examination in any recommended subject.

Exemptions from entrance examinations are granted on satisfactory recommendations to save applicants needless worry, but the College will not hesitate to prefer examinations in all cases where there is doubt as to the quantity or quality of the work offered.

Blanks for admission on certificate may be obtained by applying to the Secretary of the Faculty.

## ADMISSION OF SPECIAL STUDENTS.

Persons who are not candidates for degrees, and who wish to take special studies, may be admitted as special students upon giving to the Faculty satisfactory evidence that they are prepared to take the desired studies advantageously. Such students are subject to the same regulations as the regular students, and they may become candidates for a degree upon fulfilling the College requirements, includ-

ing those of admission. Special students are entitled to a certificate of the studies pursued, but not to a diploma.

## ADMISSION TO ADVANCED STANDING.

Students from other colleges of recognized rank, who present letters of honorable dismissal, may be admitted, on college comity, to corresponding standing in this College — provided the application be made not later than the beginning of the Senior year. Every such applicant is required to present, along with a catalogue of the institution in which he has studied, a detailed statement, duly certified, of all the studies he has completed, including the entrance studies for which he has credit.

# Departments of Instruction.

[*Courses for 1901-1902, with Announcements for 1902-1903.*]

## BIBLE.

### 1. Old Testament.

The history of the Jewish people is viewed as exhibiting the progressive unfolding of the divine redemptive purpose.

Text-book: Blaikie's Manual of Bible History.

*Three hours weekly, Fall term, Freshman year.*

### 2. New Testament.

A study of the period between the Old and New Testament Canons; the ripening expectation of Messiah in the Jewish nation and the world-wide readiness for Christ's advent; the life of Christ and growth of apostolic Christianity.

Text-books: Blaikie's Manual of Bible History, Stalker's Life of Christ, Stalker's Life of Paul.

*One hour weekly, throughout Sophomore year.*

### 3. The Bible as Literature.

A study of the literary structure of the Bible—the purpose being to realize somewhat the literary form as an aid to interpretation, and the supreme literary beauty of Scripture as compared with that of any classic of any age.

Text-books: Moulton's The Literary Study of the Bible; The Revised Version.

*One hour weekly, Fall and Winter terms, Junior year.*

### 4. The Genesis of Religion.

The last term of the year is devoted to the study of Kellogg's

Genesis and Growth of Religion—a work which introduces the student to the study of Apologetics.

*One hour weekly, Spring term, Junior year.*

**6. Christian Evidences.**

In the work of the Senior year the purpose is to lead the student into a knowledge of the evidential resources of the Christian religion. The place and reasonableness of miracles, the peculiarities of Christ's miracles, what Christianity is and does in comparison with other systems, the refutation of skeptical objections, the authenticity and geniuneness of the gospels, are investigated.

Text-book: Fisher's Christian Evidences.

*One hour weekly, Fall term, Senior Year.*

**7. Theism.**

The investigation covers the general idea of religion, the arguments for the being of God—all leading to the presentation of Christian Theism as the final stage of philosophy and religion.

Text-book: Flint's Theism.

*One hour weekly, Fall term, Senior year.*

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## PHILOSOPHY.

**8. Logic, Deductive and Inductive.**

Text-book: Hyslop's Elements of Logic. Reference is made to such works as Jevons' Principles of Science, Fowler's Inductive Logic, and Sigwart's Logic.

*Three hours weekly, Fall term, Junior year.*

**10. Psychology.**

The study of Psychology is confined as much as possible to empirical grounds during the earlier part of the course.

Text-book: James' Psychology (briefer course). Reference to the psychologies of Baldwin, Ladd, Höffding, and Wundt.

*Four hours weekly, Fall term, Junior year.*

**11. Ethics.**

By means of a brief historical summary, the sphere of ethical inquiry is defined and the main ethical problems set forth. The efforts of empirical and evolutionary moralists to explain moral obligation are critically studied, and the a priori nature of the *ought* vindicated. In the light of a careful investigation as to the springs of action and the nature of volition, the various views relating to the freedom of the will are considered.

Text-book: MacKenzie's Ethics. References to Mill, Spencer, Kant, Calderwood, and Green.

*Three hours weekly, Fall term, Senior year.*

**12. Advanced Ethics.**

This course is designed for the more extended study of ethical theories and problems. Mill's Utilitarianism or Spencer's Data of Ethics will be used as a basis of study and discussed in the light of the criticisms of such writers as Sidgwick, T. H. Green, and Martineau.

*Two hours weekly, Winter and Spring terms, Senior year.*

**13. History of Philosophy.**

A course in the history of Ancient and Modern Philosophy is offered each year. The course in Ancient Philosophy will include a survey of the various problems of Philosophy as they presented themselves to the Greek mind, and the attempted solutions, contained in the historical systems or fragments of systems of Greece from the speculations of Thales to the rise and reign of Neo-Platonism.

The course in Modern Philosophy will begin with Descartes and Bacon, and trace the most important developments of philosophical thought to the present time.

Text-book: Rogers' Students' History of Philosophy. Lectures, with references to Jowett, Zeller, Weber, and Windelband.

*Two hours weekly, Fall term, Junior year.*

**14. Metaphysics.**

This course must be preceded by Course 10, and can be prosecuted to much better advantage if also preceded by Course 13. The prob-

lems raised are subsumed under the heads of Rational Psychology, Epistemology, and Ontology, and are studied in the historico-critical spirit. Special attention is given to theories of perception because of their vital relation to the various systems and to the problems of material and spiritual existence. Owing to the wideness of the field, this course will be altered from year to year. The supreme value of a sound philosophy in strengthening the foundations of Christian faith is constantly kept in view. Lectures and assigned readings.

*Two hours weekly, Spring term.*

**16. Lectures on Philosophy.**

Lectures given by the Rev. Harry R. Stark, Ph. D., on some phase of the History of Philosophy.

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## PEDAGOGY.

**17. Psychology for Teachers.**

This course is devoted to the general study of such topics as the following: the application of psychology to education; the natural development of child life on its intellectual, emotional, and active sides; the helps and hindrances to mental progress; interest; attention; habit; imitation; the springs of action; the moral and religious sense.

Text-books: Sully's Teacher's Hand-book of Psychology, Lange's Apperception, and Radestock's Habit in Education.

*Two hours weekly, throughout the year.*

**18. History and Theory of Education.**

This course covers the rise and progress of educational movements from the Roman era to the present day. Representative reformers like Comenius, the Jesuits, Port Royalists, Rousseau, and Pestalozzi receive especial attention. The theories of the several movements are criticised in the light of present day theories. A number of select works on education are placed at the disposal of the student.

Text-book: Williams' History of Modern Education.

*Two hours weekly, Fall and Winter terms.*

**19. School Organization and Management.**

In this course the following topics are discussed: school organization, courses of study, duties of teachers to the school and community, the relation of the school to the community, etc. The school laws, courses of study, etc., of some representative city of the United States are used as a basis for this course.

*Two hours weekly, Spring term.*

**20. Methods of Teaching.**

The time is given to the general study of the underlying principles of correct method in teaching. Lectures and discussions.

Text-book: DeGarmo's Essentials of Method.

*One hour weekly, throughout the year.*

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## POLITICAL AND SOCIAL SCIENCE.

**21. Economics.**

The required course in Economics is primarily designed to familiarize the student with the general character of the principles, forces, and problems under investigation. The views on important questions of a few leading writers will be stated and discussed. Papers and discussions.

Text-book: Bullock's Introduction to the Study of Economics.

*Four hours weekly, Fall term.*

**22. Advanced Economics.**

This course must be preceded by Course 21, and is designed to widen the student's acquaintance with the various writers and schools of Political Economy. Special attention is given to the English and American development of the subject from the time of Adam Smith. More minute study will be made of some particular problems, such as Taxation, Money, and Banking.

Text-books: Walker's Political Economy (advanced course), Walker's and Jevons' texts on money.

*Three hours weekly, Spring term.*

**23. Sociology.**

An elementary course in which significant social phenomena and the problems involved are recognized and appreciated. Lectures, discussions, and readings. Must be preceded by Course 10.

Text-book: Fairbanks' Introduction to Sociology.

*Three hours weekly, Winter term.*

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**24. Jurisprudence.**

An elementary course in the general principles of Jurisprudence. Must be preceded by Course 10.

Text-book: Pollock's Jurisprudence.

*Three hours weekly, Spring term.*

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## HISTORY.

**The following courses are offered for 1901-1902:**

**31. English History (1509-1649.)**

The Renascence and the Reformation.

Text-book: Gardiner's Student's History of England.

*Two hours weekly, Fall term.*

**32. English History (1649-1754).**

The Commonwealth and the Protectorate.

Text-book: Gardiner's Student's History of England.

*Two hours weekly, Winter term.*

**33. English History (1754-1900).**

Conflict with Democracy. Growth of Democracy.

Text-book: Gardiner's Student's History of England.

*Two hours weekly, Spring term.*

**34. Modern European History (1792-1814).**

Text-book: Fyffe's History of Modern Europe.

*Two hours weekly, Fall term.*

**35. Modern European History (1814-1848).**

Text-book: Fyffe's History of Modern Europe.

*Two hours weekly, Winter term.*

**36. Modern European History (1848-1900).**

Text-book: Fyffe's History of Modern Europe.

*Two hours weekly, Spring term.*

In courses 34, 35, and 36, a study is made of Europe after the Congress of Vienna, of the balance of power, of the development of representative government, of the unification of Germany and of Italy, and of the rise of the democracy.

**The following courses are offered for 1902-1903:**

**37. American History (1492-1750).**

Discoveries and early settlements.

Text-book: Thwaites' The Colonies.

*Two hours weekly, Fall term.*

**38. American History (1750-1829).**

Formation of the Union, covering the period of the Revolution, the Confederation, the Federal Constitution, and the Organization of the Government.

Text-book: Hart's Formation of the Union.

*Two hours weekly, Winter term.*

**39. American History (1829-1900).**

Slavery system. Mexican war. Territories open to slavery. Secession. Civil war. Reconstruction. New Union.

Text-book: Wilson's Division and Reunion.

*Two hours weekly, Spring term.*

**40. Federal Government.**

The theory of federal government and the development of the four great federations of the United States, Switzerland, Germany, and Canada.

*Two hours weekly, Fall term.*

**41. Greek History.**

Special attention will be given to the Peloponnesian war and the constitutions of Athens and Sparta. Recitations and informal lectures.

Text-book: Myers' History of Greece.

*Two hours weekly, Winter and Spring terms.*

**43. Constitutional History.**

Lectures given by William G. Ross, M. A., on the Constitution of the United States.

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## GREEK.

As few of our high schools provide facilities for the elementary study of Greek, a minimum requirement of one year's preparation for admission to the Classical course has been made. The study is continued, either as required or elective, throughout the course. The work offered includes:

**47. Xenophon: The Anabasis III-IV.**

Oral and written composition. Xenophon's life, works, and characteristics as a writer. The expedition of Cyrus—its causes and its effects on Greek and Persian policy. The Greek art of war.

Text-books: Kelsey's Anabasis and Allinson's Greek Prose Composition.

*Four hours weekly, first half-year.*

**48. Homer: The Iliad I-III.**

Inductive study of Homeric forms, syntax, and prosody. Informal lectures on Homeric questions. Homeric archæology. Comparative notice of other national epics.

Text-book: Keep's Iliad.

*Four hours weekly, second half-year.*

**49. Homer: The Odyssey.**

Selections are read rapidly with a view to literary appreciation and to a study of the heroic life of Homeric Greece.

Text-book: Merry's Odyssey.

*Four hours weekly, Fall term.*

**50. Lysias.**

Reading of selected orations, accompanied by a careful review of the Attic inflections and syntax.

Text-book: Morgan's Lysias.

*Four hours weekly, Winter term.*

**51. Euripides: Hippolytus.**

In addition to a careful study of the play, attention will be given to Euripides' relation to his predecessors, together with a discussion of his own moral, religious, and social views.

Text-book: Harry's Hippolytus.

*Four hours weekly, Spring term.*

**52. Historians.**

Selections from Herodotus, Thucydides, or the Hellenica of Xenophon. Review of Greek history during the fifth century.

*Four hours weekly, Fall term.*

**53. Orators.**

Attic oratory and Athenian legal antiquities will be studied in selections from Antiphon, Andocides, Lysias, Isocrates, Isæus, or Demosthenes.

*Four hours weekly, Winter term.*

**54. Drama.**

Two plays will be selected from the three tragedians and Aristophanes. A study of the origin and development of the Greek Drama and Theatre.

*Four hours weekly, Spring term.*

**56. Plato.**

One dialogue will be read, noting chiefly the characteristics of Plato's literary style and the form of the dialogue, but not neglecting the Platonic philosophy.

*Four hours weekly, Fall term.*

**57. Pindar.**

Selections from the principal odes will be read.

*Four hours weekly, Winter term.*

**59. The New Testament.**

Selections from the Gospels and Epistles. A careful study of the Hellenistic dialect.

Text-book: Westcott and Hort's The New Testament.

*Four hours weekly, Spring term.*

**60. Elementary Course.**

This course is given *only* to students in the Philosophical or in the Scientific course. For description see Courses 211 and 212.

*Five hours weekly, throughout the year.*

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## LATIN.

**61. Livy.**

Books I and II are read. Constant practice in sight reading.

Text-book: Greenough's Livy.

*Four hours weekly, Fall term.*

**62. Cicero.**

The De Senectute and De Amicitia are read.

Text-book: Bennett's Cicero.

*Four hours weekly, Winter term.*

**63. Horace.**

*a.* Satires and Epistles are read.

Text-book: Greenough's Horace.

*Four hours weekly, Spring term.*

*b.* Odes and Epodes. Practice in scanning and occasional metrical rendering of selected odes into English.

Text-book: Smith's Horace.

*Four hours weekly, Fall term.*

**64. Tacitus.**

The Agricola and Germania. Sight reading.

Text-book: Hopkins' Tacitus.

*Four hours weekly, Winter term.*

**65. Plautus.**

The Menæchmi and Captivi.

Text-book: Fowler's Menæchmi and Barber's Captivi.

*Four hours weekly, Spring term.*

**66. Juvenal.**

The principal satires. General survey of Roman satire.

*Three hours weekly, Fall term.*

**67. Martial.**

Selected epigrams. Study of Roman antiquities.

*Three hours weekly, Winter term.*

**68. Terence.**

Two plays. Connection between Latin and Greek drama carefully studied.

*Three hours weekly, Spring term.*

**69. Suetonius.**

Selections from the De Vita Cæsarum.

*Three hours weekly, Fall term.*

**70. Cicero.**

Brutus, or De Natura Deorum.

*Three hours weekly, Winter term.*

**71. Quintilian.**

Institutio Oratoria, Book X. Selections.

*Three hours weekly, Spring term.*

In connection with the work of Sophomore year a course of lectures covering the rise and development of Latin literature will be given during the Winter and Spring terms. Open to students who have completed Course 63.

## SANSKRIT.

The following elementary course is offered as an introduction to the study of Comparative Philology:

**76. Grammar.**

Elements of the language as given in Perry's Sanskrit Primer.

*Two hours weekly, Fall term.*

**77. Maha-bharata.**

Continuation of the study of Perry's Sanskrit Primer. Translation of the Nala episode from the Maha-bharata.

Text-books: Lenman's Sanskrit Reader and Whitney's Sanskrit Grammar.

*Two hours weekly, Winter term.*

**78. Selections.**

Translation from the Hitopadeca, the Katha-sarit-sagara, and the Rigveda.

Text-books: Lanman's Sanskrit Reader and Whitney's Sanskrit Grammar.

*Two hours weekly, Spring term.*

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## HEBREW.

**81. Elementary Course.**

In order that students may take advanced standing in Theological Seminaries, an elementary course in Hebrew is offered. The time is devoted to the mastery of the elements of etymology and syntax in connection with a detailed study of Genesis I–IV.

Text-book: Bissell's Hebrew Grammar.

*Two hours weekly, throughout the year.*

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## GERMAN.

**86. Beginners' Course.**

*a.* Thomas' German Grammar, Part I.

*Five hours weekly, Fall term.*

*b.* Grammar continued: Grimm's Mærchen.

*Five hours weekly, Winter term.*

*c.* Grammar continued: Storm's Immensee; Heyse's L'Arrabbiata.

*Five hours weekly, Spring term.*

The object of this course is to give the student a thorough training in the essentials of German accidence and syntax, and to enable him to read easy German prose with expression. It should also give him a correct pronunciation and some skill in simple composition.

**87. Second Year Course.**

*a.* Baumbach's Frau Holde; Hillern's Hœher als die Kirche; Freytag's Die Journalisten; Grammar and Composition.

*Four hours weekly, Fall term.*

*b.* Wildenbruch's Der Letzte; Tales from Hauff; Riehl's Fluch der Schœnheit; Grammar and Composition.

*Four hours weekly, Winter term.*

*c.* Arnold's Fritz auf Ferien; Schiller's Jungfrau von Orleans; Grammar and Composition.

*Four hours weekly, Spring term.*

This course is intended to give the student a large and varied vocabulary, and to develop a feeling for the German idiom. One hour a week is given to work in grammar and composition.

**88. Lessing.**

Minna von Barnhelm; Nathan der Weise. Some study is made of Lessing's life, his work as a critic, and his influence on the history of German literature.

*Four hours weekly, Fall term.*

**89. Schiller.**

Cabale und Liebe; Wallenstein, or Wilhelm Tell. The main facts of Schiller's life and his literary development are studied in connection with this course.

*Four hours weekly, Winter term.*

**90. Goethe.**

Hermann und Dorothea; Iphigenie; Lyric Poems. A brief study is made of Goethe's life, and the close relation between his literary productions and his personal experiences is considered.

*Four hours weekly, Spring term.*

**91. Goethe.**

This course will include Dichtung und Wahrheit, Gœtz von Berlichingen, Werther's Leiden, Egmont, Tasso, and Faust.

*Four hours weekly, throughout the year.*

**92. Composition and Advanced Grammar.**

Open to students who have had at least two years of work in German.

*Two hours weekly, throughout the year.*

**93. Recent Developments in Dramatic Literature.**

The representative works of the three leading dramatists of this period, Wildenbruch, Hauptmann, and Sudermann are read and studied in connection with the formative influences which have been at work.

*Three hours weekly, throughout the year.*

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## FRENCH.

**101. Beginners' Course.**

*a.* Edgren's French Grammar, Part I; Super's French Reader.

*Four hours weekly, Fall term.*

*b.* Edgren's Grammar, Part II; Halévy's L'Abbé Constantin; Composition.

*Four hours weekly, Winter term.*

*c.* Edgren's Grammar continued; George Sand's La Mare au Diable; Fontaine's Fables.

*Four hours weekly, Spring term.*

In this course the essentials of French grammar are presented as briefly as possible, so that the student may begin the reading of easy French prose almost from the first. A thorough study of the grammar, accompanied by exercises in composition, follows after reading has been begun. Special attention is given to daily drill in pronunciation and to the irregular verbs, but no direct attempt is made to teach French conversation.

**102. French Fiction.**

Selections are made from the works of Dumas, Mérimée, Souvestre, De Vigny, and Daudet.

*Three hours weekly, Fall term.*

**103. Modern French Comedies.**

Selections from plays by Sandeau, Erckmann-Chatrian, Ohnet, Scribe, Labiche, and Vacquerie.

*Three hours weekly, Winter term.*

**104. French Prose.**

Selections from Balzac, Lamartine, Chateaubriand, Erckmann-Chatrian, Feuillet, and Sainte-Beuve.

*Three hours weekly, Spring term.*

**105. French Classics.**

Selected works of Molière, Racine, and Corneille.

*Three hours weekly, Fall and Winter terms.*

**106. Victor Hugo and the Romantic School.**

*Three hours weekly, Spring term.*

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## ENGLISH.

**116. English Literature.**

*a.* History of English Literature.

Text-book: Pancoast's Introduction to English Literature.

*Four hours weekly, Fall term.*

*b.* Critical study of the following works:—Shakespeare: Julius Cæsar; As You Like It; Milton: Paradise Lost (Books I and II).

*Three hours weekly, Winter term.*

*c.* Selections from Wordsworth, Byron, Keats, Shelley.

*Three hours weekly, Spring term.*

This course is supplemented by assigned reading from different English authors.

**120. English Drama.**

The History of the English Drama. The study of the law of the Drama. Critical study of the following works:—Shakespeare: Macbeth, King Lear.

Careful reading of the following works:—Marlowe: Part I of Tamburlaine, Edward II; Shakespeare: Othello, Hamlet, Midsummer Night's Dream, Richard III; Jonson: Every Man in his Humour; Milton: Samson Agonistes; Addison: Cato.

*Three hours weekly, Winter and Spring terms.*

**125. Nineteenth Century Literature.**

*a.* Selections from Scott.

*b.* Selections from Tennyson.

*c.* Selections from Browning.

This course is supplemented by assigned reading from authors of this century.

*Three hours weekly, Winter and Spring terms.*

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## MATHEMATICS.

Throughout the Mathematical course great effort is made to cultivate in the student independence in mathematical thinking, rigor in the demonstration of theorems, clearness and accuracy in the expression of ideas. The department aims to cover as effectively as possible such lines of work as are undertaken, and to lay special emphasis on those portions of the subject that are essential to the student's success in a more extended course in Mathematics, Physics, or Astronomy.

The work offered in Pure Mathematics includes:

**131. Higher Algebra.**

Beginning with a rapid review of radicals and quadratic equations, the work embraces proportion, variation, the progressions, permutations and combinations, indeterminate coefficients, partial fractions, binomial theorem, series, method of differences, logarithms, imaginaries, and a brief course in determinants and the theory of equations.

Text-books: Wentworth's Higher Algebra and Wentworth's Exercises in Algebra.

*Five hours weekly, first half-year.*

**132. Plane and Spherical Trigonometry.**

This course includes the analytical theory of the trigonometrical functions, the development of the general formulæ of plane and spherical trigonometry, the solution of plane and spherical triangles, the solution of problems in spherical mensuration, and practice in the use of logarithmic tables. A few lessons in elementary land-surveying and levelling are also added to this course.

*Five hours weekly, second half-year.*

**133. Plane Analytic Geometry.**

An elementary course, indicating the mode of applying the methods of algebra to geometry. The straight line, the circle, the conic sections, and several of the more important transcendental curves are studied—the course terminating with a discussion of the general equation of the second degree, and a few lessons introductory to the geometry of three dimensions. Because of time limitations, a portion of the work here outlined is carried on in connection with Course 134.

Text-book: Nichols' Analytic Geometry.

*Four hours weekly, Fall term.*

**134. Differential and Integral Calculus.**

The fundamental principles and formulæ of this powerful branch of mathematics are developed and applied to various problems in geometry and analysis, such as the computation of the length, curvature, etc., of curves, the areas enclosed by them, areas of curved sur-

faces, volumes of solids, the evaluation of indeterminate forms, the expansion of functions in series, the determination of maxima and minima values, centres of gravity, etc. Open to students who have completed Courses 131, 132, and 133.

Text-book: Osborne's Differential and Integral Calculus.

*Three hours weekly, Winter, Spring, and Fall terms.*

**135. Theory of Equations.**

Attention is given to the elements of Determinants and the methods of Graphic Algebra. Recitations and informal lectures. Open to students who have completed Course 134.

Text-book: Barton's Theory of Equations. Reference-books: Burnside and Panton's Theory of Equations, and Phillips and Beebe's Graphic Algebra.

*Three hours weekly, Winter term.*

**136. Problems in Geometry and Trigonometry.**

Supplementary to Courses 132 and 243. The work is designed for those students who expect to become teachers of Elementary Mathematics as well as for those who desire to lay a broader foundation for advanced work. Open to students who have completed Course 132.

Text-book: Wentworth and Hill's Exercise Manual No. III.

*Three hours weekly, Spring term.*

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## ASTRONOMY.

**141. General Course.**

This is mainly a course in Descriptive Astronomy. It aims to supply a general knowledge of the more important facts and underlying principles of astronomy, and some acquaintance with the methods of arriving at the facts. Recitations and lectures are supplemented by observations of the heavens and studies in the location of the principal stars and constellations. A knowledge of trigonometry is essential.

Text-book: Young's Astronomy.

*Three hours weekly, Winter and Spring terms.*

## PHYSICS.

### 146. Mechanics and Sound.

In Mechanics attention is given to physical units and dimensional equations, dynamics, pneumatics, statics, and hydrostatics. The work in Sound embraces a study of the nature, production, and propagation of sound, and of the physical theory of music. A fair knowledge of trigonometry is necessary for a thorough understanding of the mathematical discussion of these subjects.

Text-book: Carhart's University Physics.

*Three hours weekly, Fall term.*

### 147. Electricity and Magnetism.

The topics discussed are electro-statics, magnetism, electro-kinetics, and the electro-magnetic theory of light. Open to students who have taken Courses 131 and 132.

Text-book: Carhart's University Physics.

*Four hours weekly, Winter term.*

### 148. Light and Heat.

In Light the theory of radiation, and the phenomena of diffraction, double refraction, and polarization are discussed as thoroughly as is practical by means of elementary mathematics. In the subject of Heat attention is given to the measurements of heat, effects of heat, and thermo-dynamics. Open to students who have taken Courses 131 and 132.

Text-book: Carhart's University Physics.

*Four hours weekly, Spring term.*

### 149. Physical Units and Measurements.

The laboratory work consists of quantitative measurements in mechanics, heat, and sound. One lecture and four hours in the laboratory each week. Open to students who have taken Courses 146, 147, and 148.

*Three hours weekly, Fall term.*

**150. Advanced Theoretical Physics.**

The elements of calculus, while not absolutely necessary, will be very helpful to the student in this work. The course is intended for those who desire to specialize in the mathematical sciences. Open to students who have taken Courses 133 and 149.

*Three hours weekly, Winter term.*

**151. Theory of Light.**

The theoretical work will be supplemented as far as possible by work in the laboratory. A knowledge of calculus is desirable. Open to students who have taken Course 150.

Text-book: Preston's Theory of Light.

*Three hours weekly, Spring term.*

**152. Electro-Chemistry.**

Primary electrolytic and secondary cells are studied from the standpoint of the ionic theory. Open to students who have taken Courses 146, 147, and 148.

*Three hours weekly, Fall term.*

**153. Electrical Measurements.**

A laboratory course designed to give a practical knowledge of some electrical units and constants, and the methods of their measurement. Open to students who have taken Courses 146, 147, and 148.

*Three hours weekly, Winter term.*

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## CHEMISTRY.

**156. General Inorganic Chemistry.**

Recitations and lectures are illustrated by experiments. During the latter part of the term students are required to review practically in the laboratory the leading phenomena of the subject.

Text-book: Remsen's Introduction to Chemistry.

*Three hours weekly, Winter term.*

**157. Elementary Qualitative Analysis.**

A part of the practical work consists of various blow-pipe tests, but the greater part of the term is given to analytical work. Each student is required to analyze a number of unknown mixtures of salts, containing from three to five metals and from two to three acids. One recitation and four hours in the laboratory each week.

Text-book: Remsen's Introduction to Chemistry.

*Three hours weekly, Spring term.*

**158. Advanced Inorganic Chemistry.**

This course is designed to give the student a thorough knowledge of inorganic chemistry. Two recitations and four hours in the laboratory each week. Open to students who have taken Courses 156 and 157.

Text-book: Remsen's Inorganic Chemistry (advanced course).

*Four hours weekly, throughout the year.*

**159. Organic Chemistry.**

Two recitations and four hours in the laboratory each week. Open to students who have taken Courses 156 and 157.

Text-book: Remsen's Organic Chemistry.

*Four hours weekly, Fall and Winter terms.*

**160. Qualitative Analysis.**

This is a laboratory course and includes the analysis of alloys, minerals, mineral waters, soil, etc. It is open to those who are taking or who have completed Course 158. Work to the extent of twelve term credits may be taken whenever desired.

Reference-book: Fresenius' Qualitative Analysis.

**161. Quantitative Analysis.**

The laboratory work gives the student a practical acquaintance with exact quantitative methods. Readings will be assigned upon the theories of solutions and the principles of stoichiometry. The course is open to those who are taking or who have completed Course 158.

Work to the extent of twelve term credits may be taken whenever desired.

Text-book: Talbot's Quantitative Analysis.

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## BIOLOGY.

### 166. General Biology.

Introductory to both botany and zoology, and required as a preliminary to all advanced work in either department. Representative types or the different classes of animals and plants will be studied in the laboratory, beginning with the simple, single-celled organisms, and ending with the complex forms. Six hours of laboratory work and one recitation or lecture each week.

Reference-book: Parker's Elementary Biology.

*Four hours weekly, throughout the year.*

### 168. General Morphology of Plants.

The aim of this course is to complete the work begun in general biology, and thus give a comprehensive idea of the forms of vegetable life. Eight hours of laboratory work each week. Assigned readings.

*a.* Thallophyta.

*Four hours weekly, Fall term.*

*b.* Bryophyta and Pteridophyta.

*Four hours weekly, Winter term.*

*c.* Spermatophyta.

*Four hours weekly, Spring term.*

### 170. Histology of Plants.

This course may follow 166 or 168 and is designed to give the student a more detailed knowledge of the plant cell and the tissue systems. Eight hours of laboratory work each week. Assigned readings.

*Four hours weekly, Fall term.*

### 172. Animal Morphology.

General course in Morphology and classification. This course is recommended as a sequel to Course 166 on the zoology side, and is

designed to give the student a more comprehensive survey of the forms of animal life. Assigned readings. Eight hours of laboratory work each week.

*Four hours weekly, throughout the year.*

**173. Vertebrate Anatomy.**

Typical vertebrates are studied, but special emphasis is given to the anatomy of mammals, with as much time as possible on human osteology. One lecture and six hours of laboratory work each week.

*Four hours weekly, Fall and Winter terms.*

**174. Vertebrate Embryology.**

The early development of the chick will be studied. One lecture and six hours of laboratory work each week.

*Four hours weekly, Spring term.*

**175. Vertebrate Histology.**

A short course in the study of cells and tissues of vertebrate organisms. Students who elect Course 176, and not Course 177, are advised to take this course. Laboratory work.

*Two hours weekly, Fall and Winter terms.*

**176. Human Physiology.**

*a.* Fundamental physiological actions, differentiation of tissues, the skeleton, motion and locomotion, nutrition.

Text-book: Martin's Human Body (advanced course).

*Three hours weekly, Fall term.*

*b.* Respiration, nervous system, vascular system.

Text-book: Martin's Human Body (advanced course).

*Three hours weekly, Winter term.*

*c.* Sensation and sense organs.

Text-book: Martin's Human Body (advanced course).

*Three hours weekly, Spring term.*

**177. Vertebrate Histology.**

The study of cells and tissues as exhibited in vertebrate organisms. Lectures and laboratory work.

*Four hours weekly, Fall and Winter terms.*

**179. Sanitary Science.**

Lectures given by John V. Bean, M. D. Special reference is made to the practical relation of this department of science to every-day life, and particularly to the cause and prevention of infectious diseases. Required as an extra study of all Seniors.

*One hour weekly, Winter term.*

NOTE.—The following sequence of biological courses is advised: 166, 168, 170; or 166, 172, 176, 177, 173, 174. For students intending to teach biology in high schools the following courses are recommended as a minimum: 166, 168, 170, 172, 175, and 176.

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## GEOLOGY.

**181. Dynamic Geology.**

The geological forces and the work they accomplish.

*Three hours weekly, Fall term.*

**182. Structural and Physiographical Geology.**

Rocks, their original and secondary structures; physiographical geology, with special reference to the North American continent.

*Three hours weekly, Winter term.*

**183. Historical Geology.**

The evolution of life from the oldest geological records down to the present time, and the parallel physical conditions, especially those of the North American continent.

*Three hours weekly, Spring term.*

# Courses of Study.

## CLASSICAL COURSE.*

### FRESHMAN YEAR.

#### FALL TERM.

| | HOURS. |
|---|---|
| *Mathematics* 131†—Algebra (Wentworth's Higher) | 5 |
| *Latin* 61—Livy (Greenough) | 4 |
| *Greek* 47—Anabasis (Kelsey); Prose Composition (Allinson) | 4 |
| *Bible* 1—Old Testament History (Blaikie) | 3 |

#### WINTER TERM.

| | |
|---|---|
| *Mathematics* 131, 132—Algebra; Trigonometry | 5 |
| *Latin* 62—Cicero (Bennett) | 4 |
| *Greek* 47, 48—Anabasis; Iliad (Keep) | 4 |
| *Chemistry* 156—General Inorganic Chemistry (Remsen) | 3 |

#### SPRING TERM.

| | |
|---|---|
| *Mathematics* 132—Trigonometry, Plane and Spherical | 5 |
| *Latin* 63a—Horace (Greenough) | 4 |
| *Greek* 48—Iliad (Keep) | 4 |
| *Chemistry* 157—Elementary Qualitative Analysis (Remsen) | 3 |

*In this course the student must take in addition to the required work at least nine hours of work in either Latin and Greek, or in History and English Literature.

†See courses under corresponding numbers on pages 16–39.

## SOPHOMORE YEAR.

### FALL TERM.

| | | |
|---|---|---|
| *Mathematics* 133—Analytic Geometry (Nichols) . . . . 4 | one* | 4 |
| *English* 116—English Literature (Pancoast) . . . . . 4 | | |
| *Latin* 63b—Horace (Smith) . . . . . | | 4 |
| *Greek* 49—Odyssey (Merry) . . . . . | | 4 |
| *Physics* 146—Mechanics and Sound (Carhart) . . . . . | | 3 |
| *Bible* 2—New Testament History (Blaikie) . . . . . | | 1 |

### WINTER TERM.

| | | |
|---|---|---|
| *Mathematics* 134—Differential Calculus (Osborne) . . . 3 | one* | 3 |
| *English* 116—English Literature . . . . . 3 | | |
| *Latin* 64—Tacitus' Germania and Agricola (Hopkins) . . . . . | | 4 |
| *Greek* 50—Lysias' Orations (Morgan) . . . . . | | 4 |
| *Physics* 147—Electricity and Magnetism (Carhart) . . . . . | | 4 |
| *Bible* 2—Life of Christ (Stalker) . . . . . | | 1 |

### SPRING TERM.

| | | |
|---|---|---|
| *Mathematics* 134—Integral Calculus (Osborne) . . . . 3 | one* | 3 |
| *English* 116—English Literature . . . . . 3 | | |
| *Latin* 65—Plautus (Fowler) . . . . . | | 4 |
| *Greek* 51—Euripides' Hippolytus (Harry) . . . . . | | 4 |
| *Physics* 148—Light and Heat (Carhart) . . . . . | | 4 |
| *Bible* 2—Life of Paul (Stalker) . . . . . | | 1 |

## JUNIOR YEAR.

### FALL TERM.

| | |
|---|---|
| *Philosophy* 8—Logic (Hyslop) . . . . . | 3 |
| *Philosophy* 10—Psychology (James) . . . . . | 4 |
| *Philosophy* 13—History of Philosophy . . . . . | 2 |
| *Bible* 3—The Bible as Literature (Moulton) . . . . . | 1 |
| *Electives*†—(See Departments of Instruction, pp. 16–39) . . . . . | 6 |

* If Mathematics is elected in Sophomore year, English must be elected later.

† The privilege is reserved of withdrawing an elective unless it be chosen by five or more students.

WINTER TERM.

*Bible* 3—The Bible as Literature (Moulton) . . . . . 1
*Electives*†—(See Departments of Instruction, pp. 16–39) . . . . . 15

SPRING TERM.

*Bible* 4—The Genesis of Religion . . . . . 1
*Electives*†—(See Departments of Instruction, pp. 16–39) . . . . . 15

## SENIOR YEAR.

FALL TERM.

*Philosophy* 11—Ethics (MacKenzie) . . . . . 3
*Political Science* 21—Economics (Bullock) . . . . . 4
*Bible* 6, 7—Evidences; Theism . . . . . 2
*Electives*†—(See Departments of Instruction, pp. 16–39) . . . . . 7

WINTER TERM.

*Sanitary Science* 179—Lectures . . . . . 1
*Electives*†—(See Departments of Instruction, pp. 16–39) . . . . . 16

SPRING TERM.

*Electives*†—(See Departments of Instruction, pp. 16–39) . . . . . 16

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## PHILOSOPHICAL COURSE.*

### FRESHMAN YEAR.

FALL TERM.

HOURS.

*Mathematics* 131—Algebra (Wentworth's Higher) . . . . . 5
*Latin* 61—Livy (Greenough) . . . . . 4
*German* 87a—Selections . . . . . 4
*Bible* 1—Old Testament History (Blaikie) . . . . . 3

† The privilege is reserved of withdrawing an elective unless it be chosen by five or more students.

* In this course the student must take in addition to the required work at least nine hours of work in either Philosophy and Political and Social Science, or in History and English Literature.

WINTER TERM.

*Mathematics* 131, 132—Algebra; Trigonometry . . . . . 5
*Latin* 62—Cicero (Bennett) . . . . . 4
*German* 87b—Selections . . . . . 4
*Chemistry* 156—General Inorganic Chemistry (Remsen) . . . . . 3

SPRING TERM.

*Mathematics* 132—Trigonometry, Plane and Spherical . . . . . 5
*Latin* 63a—Horace (Greenough) . . . . . 4
*German* 87c—Selections . . . . . 4
*Chemistry* 157—Elementary Qualitative Analysis (Remsen) . . . 3

## SOPHOMORE YEAR.

FALL TERM.

*Mathematics* 133—Analytic Geometry (Nichols) . . . . 4
*English* 116—Rhetoric and English Literature . . . . 4 } one† 4

*Latin* 63b—Horace (Smith) . . . . . 4
*Biology* 166—General Biology . . . . . 4 } one 4

*German* 88—Schiller . . . . . 4
*Physics* 146—Mechanics and Sound (Carhart) . . . . . 3
*Bible* 2—New Testament History (Blaikie) . . . . . 1

WINTER TERM.

*Mathematics* 134—Differential Calculus (Osborne) . . . 3
*English* 116—Rhetoric and English Literature . . . . 3 } one* 3

*Latin* 64—Tacitus' Germania and Agricola . . . . . 4
*Biology* 166—General Biology . . . . . 4 } one 4

*German* 89—Lessing . . . . . 4
*Physics* 147—Electricity and Magnetism (Carhart) . . . . . 4
*Bible* 2—Life of Christ (Stalker) . . . . . 1

† If Mathematics is elected in Sophomore year, English must be elected later.

SPRING TERM.

| | | |
|---|---|---|
| *Mathematics* 134—Integral Calculus (Osborne) . . . . 3<br>*English* 116—Rhetoric and English Literature . . . . 3 | one* | 3 |
| *Latin* 65—Plautus (Fowler) . . . . . 4<br>*Biology* 166—General Biology . . . . . 4 | one | 4 |
| *German* 90—Goethe . . . . . | | 4 |
| *Physics* 148—Light and Heat (Carhart) . . . . . | | 4 |
| *Bible* 2—Life of Paul (Stalker) . . . . . | | 1 |

## JUNIOR AND SENIOR YEARS.

The outline of the work of these years is identical with that of the corresponding years of the Classical Course. See pages 41, 42.

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## SCIENTIFIC COURSE.†

### FRESHMAN YEAR.

FALL TERM.

| | HOURS. |
|---|---|
| *Mathematics* 131—Algebra (Wentworth's Higher) . . . . . | 5 |
| *Biology* 166—General Biology . . . . . | 4 |
| *German* 87a—Selections . . . . . | 4 |
| *Bible* 1—Old Testament History (Blaikie) . . . . . | 3 |

WINTER TERM.

| | |
|---|---|
| *Mathematics* 131, 132—Algebra; Trigonometry . . . . . | 5 |
| *Biology* 166—General Biology . . . . . | 4 |
| *German* 87b—Selections . . . . . | 4 |
| *Chemistry* 156—General Inorganic Chemistry (Remsen) . . . . . | 3 |

* If Mathematics is elected in Sophomore year, English must be elected later.

† In this course the student must take in addition to the required work at least nine hours of work in either Biology and Geology or in Physics and Chemistry.

SPRING TERM.

*Mathematics* 132—Trigonometry, Plane and Spherical . . . . . 5
*Biology* 166—General Biology . . . . . 4
*German* 87c—Selections . . . . . 4
*Chemistry* 157—Elementary Qualitative Analysis (Remsen) . . . 3

## SOPHOMORE YEAR.

FALL TERM.

*Mathematics* 133—Analytic Geometry (Nichols) . . . . 4
*English* 116—Rhetoric and English Literature . . . . 4 } one* 4

*Biology* 168 or 172 . . . . . 4
*German* 88—Schiller . . . . . 4 } one 4

*French* 101a—Grammar (Edgren); Reading . . . . . 4
*Physics* 146—Mechanics and Sound (Carhart) . . . . . 3
*Bible* 2—New Testament History (Blaikie) . . . . . 1

WINTER TERM.

*Mathematics* 134—Differential Calculus (Osborne) . . . 3
*English* 116—Rhetoric and English Literature . . . . 3 } one* 3

*Biology* 168 or 172 . . . . . 4
*German* 89—Lessing . . . . . 4 } one 4

*French* 101b—Grammar and Reading . . . . . 4
*Physics* 147—Electricity and Magnetism (Carhart) . . . . . 4
*Bible* 2—Life of Christ (Stalker) . . . . . 1

SPRING TERM.

*Mathematics* 134—Integral Calculus (Osborne) . . . . 3
*English* 116—Rhetoric and English Literature . . . . 3 } one* 3

*Biology* 168 or 172 . . . . . 4
*German* 90—Goethe . . . . . 4 } one 4

*French* 101c—Grammar and Reading . . . . . 4
*Physics* 148—Light and Heat (Carhart) . . . . . 4
*Bible* 2—Life of Paul (Stalker) . . . . . 1

* If Mathematics is elected in Sophomore year, English must be elected later.

## JUNIOR AND SENIOR YEARS.

The outline of the work of these years is identical with that of the corresponding years of the Classical Course. See pages 41, 42.

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## PRE-MEDICAL COURSES.

Students intending to study medicine after graduation from this College will be able to enter the Sophomore class of the best medical schools with a minimum of conditions by electing Physics 152; Chemistry 158, 159; Biology 172, 170, 177, 173, 174, 176.

# General Information.

## Aim.

As seen in the historical statement on page 10, the aim of the College is to afford to students of both sexes all the advantages of a liberal education in the Arts, Sciences, and Philosophy. Its courses of study and methods of instruction are adapted to secure accurate scholarship and thorough mental discipline. It aims not only to fit its students for professional study and practical life, but also to form the character by a broad Christian culture. This it seeks to attain by direct biblical instruction in the class-room, and by the Christian spirit which pervades all the work of the College.

## Location.

The city of Fairfield is one of the most delightful in the state. It is situated at the crossing of the Chicago, Burlington and Quincy and the Chicago, Rock Island & Pacific railroads, and is easy of access from all points. The place is healthy, the society congenial, cultured and Christian. Many families have removed to Fairfield to secure for their children the advantages of the College, a plan which it is hoped many others will follow.

## Buildings.

ANKENEY HALL, the main College building, is a large and commodious structure, wholly devoted to the practical work of the College. It is admirably adapted to its purpose, and furnished with all the necessary appliances, and heated throughout with hot water.

Besides commodious recitation rooms, it contains a capacious and elegant Chapel, Library and Reading Room, Literary Society Halls, and the Chemical, Physical, and Biological Laboratories.

BALLARD HALL, the young ladies' dormitory, is designed in a modernized colonial style. It is a three story building constructed of vitrified brick with light trimmings, at an outlay of over $14,000.00 The interior is arranged on a novel plan. The dining-room is a semi-basement apartment not below the outside ground level. The parlor floor is elevated about four feet above the dining-room floor, and is connected by open screenwork and free columns with a mezzanine story containing a large hall, the Dean's office, the housekeeper's rooms, and four other rooms. One end of this hall terminates in a large art-glass window, opening upon a semi-circular balcony. The other end terminates in an interior bay window effect, with seat, partition, and screen. The parlor is a room 37 feet and 6 inches long by 29 feet wide, divided into six alcoves by four free columns and four partitions the height of wainscoating. Across the end of one of these alcoves there is a large brick fireplace and mantel-piece. There are seats built into the alcoves and corners, and the whole is arranged so that the parlor and hall may be used as one large room for receptions and other festive occasions, and still be cosy and homelike for every-day use.

The second story is divided into ten apartments besides a large toilet and bath room. Each apartment furnishes study-room facilities for two students, and contains two alcoves. Each of these alcoves is supplied with a single bed and a wardrobe. The third story contains music rooms and other apartments. The rooms are lighted by electricity and heated by steam.

### Library and Reading Room.

The library contains about 4,000 volumes and is being gradually enlarged by the purchase of books and by gifts from friends of the College. It is located on the first floor of the east wing of Ankeney Hall, and its reading room is furnished with standard magazines and daily and weekly papers.

The needs of the library are especially felt in the line of technical books, and in the development of departmental libraries; and the

friends of higher education are earnestly urged to provide means in order that the usefulness of the Library may be largely increased.

### Fairfield Free Public Library.

This library with its large collection of books, valuable museum, and reading-room, offers rare facilities, *free of expense*, to the students of Parsons College. It contains a valuable collection of 18,000 volumes, in all departments of literature. Its museum contains about 20,000 specimens, and is especially rich in the departments of zoology and ethnology. New contributions are being continually added both to the library and museum.

Through the munificence of Mr. Andrew Carnegie, a fire-proof building, complete in all its appointments and a model of architectural beauty, was erected in 1892, at an expense of $40,000.

### Laboratories.

*The Chemical Laboratory* occupies the larger part of the third floor of the east wing of Ankeney Hall. It is a well-lighted and commodious apartment. Tables fitted with drawers, gas and water fixtures, and supplied with apparatus and reagents, afford facilities for twenty-four students in analytical work at one time. The laboratory is furnished with generating chambers, water, gas, and a general supply of apparatus and chemicals—thus affording ample facilities for experimental study.

*The Physical Laboratory* is on the second floor of the west wing of the main building. It is supplied with an adequate variety of apparatus for illustrative work; also with a large number of valuable instruments adapted to exact experimental work in Physics. Adjoining the laboratory and connecting with it is a work-shop, supplied with a lathe, a circular saw, planes and tools for making and repairing apparatus needed in experiments.

*The Biological Laboratory* occupies the larger part of the second floor of the east wing of Ankeney Hall. It is well furnished with

tables and supplied with an herbarium, books of reference, aquaria, compound microscopes, and physical and chemical appliances necessary for the prosecution of biological studies. There is constantly on hand at the disposal of students a large amount of material.

### Gymnasium.

Through the liberality of a friend of the College, a building has been secured for use as a gymnasium. It is supplied with apparatus necessary for light gymnastics, and systematic drill is regularly given by a competent instructor. Great interest is manifested in the playing of both basket ball and hand ball. An opportunity for a medical examination is annually offered to each student, and a record of the results thus obtained is kept as a basis for advice in regard to exercise.

### Endowment.

Within the past few years the endowment of the College has been increased through the large gifts to this fund of Colonel Charles Parsons of St. Louis, T. D. Foster of Ottumwa, C. H. McCormick of Chicago, George W. Cable of Davenport, J. F. Hunt of Donnellson, Iowa, Calvin Ballard of Winterset, Iowa, and other generous friends.

Among the latter, worthy of special mention, is the late Rev. Thomas H. Skinner, D. D., LL. D., an eminent minister of the Presbyterian church and professor of theology in McCormick Theological Seminary. In addition to frequent gifts during his lifetime, his bequest to the College of $25,000 has recently been added to the endowment fund.

Mrs. Margaret R. Armstrong, widow of Rev. John Armstrong, D. D., the first president of the College, gave, during her lifetime, $600 for a Library Fund, and also executed a legacy bond for $10,000 for the endowment of the Armstrong Chair of Mental and Moral Sciences, on condition that another $10,000 be secured for the same object. This condition having been met, provision was thus made for the ultimate endowment of this chair. In consequence of Mrs. Armstrong's recent decease, the sum of $20,000 has thus been added to the permanent funds of the College.

Dr. E. B. Ringland of Chicago, Ill., has also given $6,000 toward the establishment of a Chair of Biology, to be known as the "Ringland Memorial Chair."

Besides those above mentioned, there have been gifts from members of our churches in all parts of the Synod and from other friends of the institution, together with legacy bonds and legacies by different individuals.

## Gifts.

During the year the College has been in receipt of several gifts from its friends, of which grateful acknowledgement is here made.

From Rev. E. M. Sharpe, Class 1885, bound volumes of the Missionary Review of the World, and the North American Review.

From A. W. Lee, of Ottumwa, Iowa, the Encyclopaedic Dictionary, the Encyclopaedia Brittanica, and for the Reading Room, the Atlantic Monthly, Littell's Living Age, the Engineering Magazine, Gunton's Magazine, The Forum, the World's Work, and the Ottumwa Courrier.

From a friend, $150 for the purchase of books in the Department of Economics and Sociology.

From a friend, $50 for the purchase of books in the Department of Philosophy.

From a friend, $50 for the purchase of books.

From J. C. Fetzer, of Chicago, $200 for the purchase of a stereopticon.

From B. Ketcham, of Bonaparte, $100 for a stereopticon.

From T. D. Foster, of Ottumwa, $250 toward the equipment of Parsons College Press.

## Needs.

The present funds are still far from adequate to the needs and widening work of the College, and the attention therefore, of those to whom God has given means is called to the opportunity here afforded them of doing great and permanent good by giving or devising of their substance for the more complete establishment of this institution. Fifty or one hundred thousand dollars would go a very little

way toward founding a college; but that amount would add vastly to the usefulness of one like Parsons, already founded and having an acknowledged important mission.

### Scholarships.

A perpetual scholarship, which entitles the donor to designate the student who shall enjoy its benefits, may be endowed by the payment of five hundred dollars. Such scholarships may also be founded by partial payments or by bequest, in either of which cases the interest accruing is to be paid annually. The purpose of these scholarships is to aid needy and worthy students, especially those who have the gospel ministry in view, and an excellent opportunity is thus afforded to all who are inclined to promote the cause of Christian education. The following scholarships have been endowed in whole or in part:

1. The Joshua Heizer Scholarship, founded by Joshua Heizer, Mediapolis, Iowa.

2. The Jonathan Cable Scholarship, (memorial), founded by Sarah E. Cable, Danville, Iowa.

3. The John A. Colwell Scholarship, founded by John A. Colwell, Kittanning, Pennsylvania.

4. The John A. Swan Scholarship, number one, founded by John A. Swan, Morning Sun, Iowa.

5. The John A. Swan Scholarship, number two, founded by John A. Swan, Morning Sun, Iowa.

6. The McClure Scholarship, founded by Mr. and Mrs. I. N. McClure, Mediapolis, Iowa.

7. The Ida B. and Ella May King Scholarship (memorial), founded by Mr. and Mrs. Z. N. King, St. Paul, Minn.

8. The James G. Wilson Scholarship, founded by James G. Wilson, Streator, Illinois.

9. The Mary Drewer Miller Scholarship, founded by Mary Drewer Miller, Carlsbad, New Mexico.

10. The Mrs. N. M. Clute Scholarship of $1,000, founded by Mrs. N. M. Clute, Charles City, Iowa.

11. The Spencer Grennell Scholarship (memorial), founded by Mrs. Eunice J. Grennell, Keokuk, Iowa.

12. The S. Breckenridge Scholarship, founded by Mr. S. Breckenridge, Pella, Iowa.

13. The Henry Corwith Scholarship (memorial), founded by Messrs. John and Frank Corwith, Chicago, Illinois.

14. The D. T. Newcomb Scholarship of $2,000, founded by the late Patience V. Newcomb, Davenport, Iowa.

15. The Viele Scholarship of $2,000, founded by the late Patience V. Newcomb, Davenport, Iowa.

16. The Westminster Scholarship, founded by the Westminister Presbyterian church, Keokuk, Iowa.

17. The Anna R. Evans Scholarship, founded by the late Alexander Mason, Newton, Iowa.

18. The James D. Mason Scholarship, founded by the late Alexander Mason, Newton, Iowa.

19. The Lyle D. Evans Scholarship, founded by the late Alexander Mason, Newton, Iowa.

20. The Edwin M. Evans Scholarship, founded by the late Alexander Mason, Newton, Iowa.

## Government.

Detailed and minute rules of government are not prescribed, but students are expected to behave at all times with propriety, to be actuated by a high sense of honor and Christian principle, and to conform to the regulations set forth in the handbook of College Legislation.

## Religious Exercises.

Daily religious services, at which all students are required to be present, are held in the College Chapel, under the direction of the Faculty.

Every student is required to select some church in the city, and to attend services at least once on the Sabbath. Students are expected

to attend the other religious services of the church, and are recommended to take part in the work of the Sabbath School, either as teachers or pupils.

### Religious Organizations.

There are two College Christian Associations, one for the young men, and the other for the young women. Under the direction of the Associations a large part of the religious work among the students is carried on. They are well organized and have a large membership from all classes. The meetings form a very important feature of college life.

The hand book issued annually by these societies is of special advantage to new students, and will be sent on application to any who contemplate entering college. These hand books will also be distributed by the Association's Reception Committees which meet all incoming trains at the opening of the year. All possible assistance will be rendered by these committees to the new students in finding boarding places, etc.

### Y. M. C. A.

The Young Men's Christian Association of the College, in addition to its regular weekly prayer-meeting on Sabbath afternoon, conducts classes for the systematic study of the Bible. During the last few years the following courses, each of which required about one year for its completion, were carried on:

1. The structure and principle doctrines of the Bible.
2. Life of Christ.
3. Life and Epistles of St. Paul.
4. Studies in Jeremiah.
5. The Acts of the Apostles.

The Bible itself is the text-book used, and the student is guided by outlines published by the International Committee. The Association is annually represented at the Lake Geneva Conference by one or more delegates.

### Y. W. C. A.

The young ladies of the College are annually organized into circles for systematic Bible study. The students themselves have charge of these classes and choose a suitable outline of study from among those recommended at the Lake Geneva Conference. In addition to these weekly meetings, a prayer-meeting is held every Wednesday evening. In connection with the Y. M. C. A., a monthly meeting is held for the study of missions and missionary subjects.

### Literary Societies.

There are four literary societies in the College, conducted by the students under the general regulation of the Faculty. These are Aldine, Orio, Alethean, and Elzevir. The Society Halls are handsomely furnished. Every student is expected to connect himself with one of these societies, and to improve the advantages thus afforded.

Opportunities are thus presented for improvement in writing and extemporaneous speaking, and for training in conducting deliberative assemblies. Annual prize contests in declamation, debate, oratory, and essay-writing are held in each of these societies. These contests furnish a stimulus to excellence in literary work.

### Recitations and Examinations.

Students will be admitted at any time and assigned to the classes for which they may be prepared, but it is very important and desirable that they enter at the beginning of the term.

The studies are so arranged that each class has ordinarily three recitations daily. No college exercises are held on Saturday. Frequent reviews, oral or written, are required; and the closing days of each term are devoted to examinations on the work of the term.

### Graduation.

All three courses require four years for their completion; and no student is allowed to graduate in less than four years of actual residence (except in cases of admission to advanced standing, as provided

for in the Terms of Admission on page 11) without the special permission of the Faculty.

Every student, in order to be recommended for a degree, must have passed satisfactorily in at least one hundred and ninety-two term-hours of work, including all the required work of the course in which the degree is sought.

### First Degrees.

The degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science are conferred at graduation upon those who have successfully completed the corresponding courses, and who have complied with all the requirements of the College.

### Second Degrees.

The College confers the degrees of Master of Arts, Master of Philosophy, and Master of Science upon graduates who have previously taken the degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science, respectively, in this College, or in other institutions of recognized collegiate rank. Candidates who wish to be recommended for any one of these advanced degrees must pursue an approved course of study equivalent to the work of one year of graduate study in the College, must present a satisfactory thesis, and pass successfully all required examinations. This work may be done at the College or elsewhere, but if it is not done at the College, or in connection with some institution of high rank, a longer time and a larger nominal amount of study will be required, and the degree will not be conferred until at least three years after graduation. For more detailed information apply to the President of the College.

### Prizes.

The following Prizes are awarded in the College:

1. The Kellogg Prizes, first and second, of thirty and twenty dollars, respectively, given by Mr. R. D. Kellogg, Kansas City, Missouri, to the two members of the Junior class who shall write and deliver in the best manner an English oration.

2. The Biological Prize of ten dollars, given to the member of the Junior or Senior class who shall excel in the study of Botany or Zoology, to be determined by class-room work and a thesis.

3. The Freshman Prizes, first and second, of fifteen and ten dollars, respectively, given to the two members of the Freshman class who shall excel in a contest in declamation.

4. The Foster Prize of twenty-five dollars, given by Mr. T. D. Foster, Ottumwa, Iowa, to the most successful contestant in a public debate between the Aldine and Orio Societies.

5. The Horatio Millard Newcomb Prize of fifteen dollars, given by Rev. Ezra B. Newcomb, D. D., Keokuk, Iowa, to that member of the Senior class who shall attain the highest rank in the Biblical studies of the Junior and Senior years, and who shall present the best essay on some assigned Biblical subject.

6. The Brockman Prize of fifteen dollars, given by Dr. D. C. Brockman, Ottumwa, Iowa, to that member of the Senior class who shall attain the highest rank in advanced Political Economy, and who shall present the best thesis on some assigned topic in that subject.

7. The Aldine Alumni Endowment Fund Association's Prizes in Oratory, first and second, of fifteen and eight volumes of books, respectively, given by the Aldine Literary Society to the two of its Sophomore members who shall excel in an oratorical contest.

8. The Orio Prize in Oratory, a gold medal, given by the Orio Literary Society to that one of its Sophomore members who shall excel in an oratorical contest.

9. The Alethean Prize in Oratory, a set of valuable books, given by the Alethean Literary Society to that one of its Senior, Junior, or Sophomore members who shall excel in an oratorical contest.

10. The Elzevir Prize in Oratory, a set of valuable books, given by the Elzevir Literary Society, to that one of its Sophomore members who shall excel in an oratorical contest.

11. The Aldine Alumni Endowment Fund Association's Prizes in Debate, first and second, of fifteen and eight volumes of books, respec-

tively, given by the Aldine Literary Society to the two of its Freshman members who shall excel in a contest in debate.

12. The Orio Prize in Debate, a gold medal, given by the Orio Literary Society to that one of its Freshman members who shall excel in a contest in debate.

13. The Elzevir Prize in Essay-writing, a set of valuable books, given by the Elzevir Literary Soicety, to that one of its Freshman members who shall excel in a contest in essay-writing.

14. The Alethean Prize in Declamation, a set of valuable books, given by the Alethean Literary Society to that one of its Freshman or Academy members who shall excel in a contest in declamation.

## Sessions and Vacations.

The college year is divided into three terms. The Fall term includes fourteen weeks, the Winter and Spring terms eleven weeks each. There is a Christmas vacation of about three weeks, but no Spring vacation.

The twenty-eighth college year begins Tuesday, September 16, 1902, and closes Thursday, June 4, 1903. It is very desirable that all students be present on the opening day of each term.

## Expenses.

The annual charges for tuition are *thirty-two* dollars. Of this amount *twelve* dollars are payable on the opening day of the Fall term, *ten* dollars on the opening day of the Winter term, and *ten* dollars on the opening day of the Spring term.

A reduction of twenty-five per cent from the above rates of tuition will be made to the sons and daughters of ministers. Twenty-five per cent will also be deducted from the full rates of tuition for a second and for each additional student in simultaneous attendance from the same family. Needy students will likewise be allowed a reduction, if recommended by the Faculty.

An incidental fee of three dollars per term is charged all students. Students in Physics and Botany will also be charged a fee of one dol-

lar per term each, those in Biology and Chemistry from one to two dollars per term each, to cover the cost of material used.

A deposit of one dollar per term is required from each student, to constitute a damage fund, out of which the College property damaged by the students, when the author is unknown, is repaired. At the end of each term the balance is refunded. By this means the property is kept in good condition, and the amount deducted from each deposit has hitherto not exceeded a few cents.

Young ladies from a distance are required to take up their residence in Ballard Hall. Accommodations can be obtained there, including board, room, light, and heat at from three and one half to three dollars and seventy-five cents per week. The equipment and table board are first class in every respect. For information as to Ballard Hall, see the illustrated booklet which will be sent to any address upon application to the President of the College.

Boarding, for young men, including room, fuel, and light, is provided in pleasant homes at prices varying from three to three and a half dollars per week; table boarding in private families at two and a half to three dollars per week. Furnished rooms, suitable for two students, can be rented in the town at prices ranging from seventy-five cents to one and a quarter dollars per week; unfurnished rooms at from twenty-five to fifty cents per week. Three or four students, by renting rooms and boarding themselves, can reduce the expense of both board and room to two dollars, or less, per week. The Faculty will render assistance, when desired, in finding suitable boarding places for students.

For several years past the students have conducted a boarding-club which aims to furnish good board *at actual cost.* Accommodations are thus provided for from twenty-five to thirty students. The price of board in this club has hitherto averaged about two dollars per week.

*Every young person of good moral character, who is bent on gaining a liberal education, and who willing to make the necessary sacrifice, and to practice corresponding economy, will always find sympathy and encouragement in Parsons College.*

The entire annual expenses of a student, traveling expenses not included, need not exceed $200; and students using economy can reduce the annual expenses to $150, as may be seen from the following summary:

| | Minimum | Moderate |
|---|---|---|
| Tuition | $32.00 | $32.00 |
| Incidental fee | 9.00 | 9.00 |
| Room | 9.00 to | 22.50 |
| Fuel | 4.00 to | 6.00 |
| Board | 60.00 to | 96.00 |
| Incidentals (including washing, books, etc.) | 36.00 to | 59.50 |
| Total for the year | $150.00 | $225.00 |

# The Academy.

## Aim.

The special purpose of the Academy is to furnish a thorough preparation to students who wish to take a full collegiate course. To this end the requirements for admission to colleges and universities have been made the basis of the Classical and Scientific courses. At the same time this arrangement gives a practical and thorough high school course to those who do not intend to enter college. To those who do not desire to study Latin and Greek an English course is offered in which stress is laid upon Mathematics, the Sciences, History, and English. This is an excellent course for those who contemplate teaching in the graded schools, as well as for those who intend to devote themselves to business.

## Admission.

Students entering the Academy must be prepared in the Arithmetic, Grammar, Political and Physical Geography, Physiology, and United States History usually taught in the grammar grade. Admission to advanced standing may be obtained upon passing satisfactory examinations in the preceding studies of the course, or upon the presentation of credentials showing that the work was thoroughly done elsewhere. Those who come prepared for College in all but one or two lines of study will be offered every facility for completing their preparation in less than three years.

## Graduation.

Upon completion of any one of the courses of instruction, a corresponding certificate of graduation is given. The holder of a Classical certificate is entitled to admission to the Classical course in the Col-

lege, and the holder of a Scientific certificate to either the Philosophical or Scientific course.

### Religious Exercises.

Daily chapel services, at which all the students are required to be present, are held. Attending divine worship at least once on the Sabbath is also obligatory upon all. Students are allowed to attend whatever church they may indicate at the opening of the year as their preference. There are two Christian Associations in the College, of which most of the Academy students are members (see page 54).

### Regulations.

Careful records are kept of the attendance and scholarship of students, and satisfactory excuses must be given for all absences.

If a student falls below grade, he is admonished; and, if after such admonition his work still continues unsatisfactory, he is dropped to a lower class.

No student is allowed to remain in the Academy who does not give evidence of diligent study, or who is unwilling to yield a cheerful obedience to the regulations of the school.

### Literary Societies.

There are in the College four Literary Societies with which the Academy students are asked to unite. These Societies afford ample opportunity for the study of parliamentary law, and for the exercise of the student's gifts in composition and public speaking.

### Prizes.

The following prizes are awarded in the Academy:

1. The Brown Prize of ten dollars, given by George A. Brown, Ottumwa, Iowa, to that member of the Third Year class who shall write and deliver in the best manner an English oration.

2. The Second Year Prize of ten dollars, given to that member of the Second Year class who shall excel in a contest in declamation.

3. The Aldine Alumni Endowment Fund Association's Prizes in Declamation, first and second, of fifteen and eight volumes of books, respectively, given by the Aldine Literary Society to those two of its Academy members who shall excel in a contest in declamation.

4. The Orio Prize in Declamation, a gold medal given by the Orio Literary Society to that one of its Academy members who shall excel in a contest in declamation.

5. The Alethean Prize in Declamation, a set of valuable books, given by the Alethean Literary Society to that one of its Freshman or Academy members who shall excel in a contest in declamation.

6. The Elzevir Prize in Declamation, a set of valuable books, given by the Elzevir Literary Society to that one of its Academy members who shall excel in a contest in declamation.

## Expenses.

The annual charges for tuition are *twenty-six* dollars. Of this amount *ten* dollars are payable on the opening day of the Fall term, *eight* dollars on the opening day of the Winter term, and *eight* dollars on the opening day of the Spring term. An incidental fee of three dollars per term is charged all students. For damage deposit see page 59.

For necessary expenses connected with boarding, rooming, etc., and for possible reduction in tuition, see the article on College Expenses (page 58).

# Department of Instruction.

## LATIN.

### 201. Grammar and Lessons.

The time is mainly devoted to mastering forms and constructions. Reading of easy Latin.

Text-books: Collar and Daniell's First Latin Book, Bennett's Latin Grammar, and Collar's New Gradatim.

*Five hours weekly, Fall and Winter terms.*

### 202. Cæsar and Prose Composition.

Books II, III, IV, and VI of the Gallic War are read. Weekly exercises in Prose Composition.

Text-books: Allen and Greenough's New Cæsar and Moulton's Latin Composition.

*Five hours weekly, Spring and Fall terms.*

### 203. Cicero and Prose Composition.

Six orations are read.

Text-books: Allen and Greenough's New Cicero and Moulton's Latin Composition.

*Five hours weekly, Winter and Spring terms.*

### 204. Vergil and Syntax.

Six books of the Æneid.

Text-books: Greenough and Kittredge's Vergil and Moulton's Latin Composition.

*Four hours weekly, throughout the year.*

## GREEK.

**211. First Greek Book.**

The time is devoted to a thorough drill in pronunciation according to the written accents, to forms, simple constructions, and the acquirement of a vocabulary. Daily practice is given in the oral and written translation of Greek into English, and of English into Greek.

Text-book: White's First Greek Book.

*Five hours weekly, first half-year.*

**212. Anabasis.**

Books I and II are read, accompanied by a review of inflections and a systematic study of syntax.

Text-books: Kelsey's Anabasis and Goodwin's Greek Grammar.

*Five hours weekly, second half-year.*

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## ENGLISH.

In view of the fact that a thorough knowledge of the English Language is of the utmost importance to every student, great stress is laid on the work of this department.

**221. English Analysis and Literature.**

Each week three recitations are devoted to systematic drill in the analysis of English sentences, and two recitations to the work in English Literature. Longfellow: Evangeline, A Gleam of Sunshine, The Day is Done, The Old Clock on the Stairs, The Fire of Driftwood, Resignation, The Ladder of St. Augustine, A Psalm of Life, The Builders, The Warden of the Cinque Ports.

*Five hours weekly, Fall term.*

**222. Rhetoric and Literature.**

Each week two recitations are devoted to Genung's Outlines of Rhetoric and three recitations to work in English Literature.

In the Winter term the following selections from Palgrave's Golden Treasury:—Wordsworth: The Education of Nature, To the Skylark, To the Daisy, Ode to Duty, To a Distant Friend, Milton! Thou shouldst be living at this hour, London, The world is too much with us; Campbell: Ye Mariners of England, Hohenlinden, The River of Life; Coleridge: Youth and Age.

In the Spring term the following selections from Tennyson: Morte d'Arthur, Recollection of Arabian Nights, To Virgil, Early Spring, Ulysses, You ask me why, Of old sat Freedom, Crossing the Bar, Eve of St. Agnes, The songs in the Princess, and Break, Break, Break!

*Five hours weekly, Winter and Spring terms.*

**223. English Literature.**

A brief course in the history of English Literature.

Text-book: Painter's Introduction to English Literature.

*Five hours weekly, Fall term.*

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## GERMAN.

The object of this course is to give the student a thorough training in the essentials of German accidence and syntax, and to enable him to read easy German prose with expression. It should also give him a correct pronunciation and some skill in simple composition.

**231. Thomas' German Grammar, Part I.**

*Five hours weekly, Fall term.*

**232. Grammar Continued; Grimm's Mærchen.**

*Five hours weekly, Winter term.*

**233. Grammar Continued; Storm's Immensee, and Heyse's L'Arrabbiata.**

*Five hours weekly, Spring term.*

## MATHEMATICS.

The aim of the instruction in Mathematics in the Academy is (*a*) to give those students who expect to continue their studies along collegiate lines a thorough and adequate preparation for such work, and (*b*) to secure for those who intend to become teachers in the graded schools that training in Algebra and Geometry which proves so helpful in the teaching of Arithmetic. The scope of the work in Mathematics, and the time allotted to it, may be seen in the following outline:

**241. Algebra.**

Fundamental processes, factoring, fractions, equations and problems involving one or more unknown quantities, inequalities, imaginary expressions, powers and roots, fractional and negative exponents, reduction and combination of radicals, and the solution of radical and quadratic equations.

Text-book: Wentworth's New School Algebra.

*Five hours weekly, throughout the year.*

**243. Plane and Solid Geometry.**

The ability to reason correctly is cultivated not only by a logical reproduction of the proofs and constructions of the text-book, but also by frequent exercises in the original demonstration of theorems and the solution of numerical problems.

Text-book: Wentworth's Plane and Solid Geometry.

*Five hours weekly, throughout the year.*

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## SCIENCE.

**251. Physics.**

This course is a combination of recitations and laboratory work, two hours each week being assigned to the former, and one hour to the latter.

Text-book: Henderson and Woodhull's Physics.

*Three hours weekly, throughout the year.*

**252. Botany.**

The first part of the time will be devoted to the laboratory study of seeds, seedlings, roots, stems, leaves, flowers, and fruits together with experimental work upon physiological processes. This work will be followed by the study of the local flora, with the collection and determination of phanerogamic species, and instruction in the preparation and mounting of herbarium specimens.

Text-books: Coulter's Plant Relations and Bergen's Elements of Botany.

*Four hours weekly, Winter and Spring terms.*

**253. Physical Geography.**

Text-book: Tarr's Elementary Physical Geography.

*Four hours weekly, Fall term.*

**254. Physiology.**

Text-book: Martin's Human Body (briefer course).

*Five hours weekly, Winter and Spring terms.*

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## CIVICS.

**255. Civil Government.**

A study of town, city, county, state, and national government. Special attention will be paid to the government of Iowa.

Text-book: Townsend's Civil Government.

*Five hours weekly, Spring term.*

**256. Economics.**

Text-book: Walker's First Lessons in Political Economy.

*Three hours weekly, Winter and Spring terms.*

## HISTORY.

**261. Ancient History.**

A brief review of the eastern nations followed by a detailed study of the history of the Greeks and Romans.

Text-book: Myers' General History.

*Five hours weekly, Fall term.*

**262. Mediæval and Modern History.**

The Byzantine Empire, Charlemagne, Feudal System, Crusades, Reformation, and the rise and growth of the Modern European Nations.

Text-book: Myers' General History.

*Five hours weekly, Winter term.*

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## BOOKKEEPING.

A course in office methods and practical bookkeeping, combining instruction in approved methods of business practice with modern accounting and commercial law.

Text-book: Powers and Lyons' Office Methods and Practical Bookkeeping.

*Two hours weekly, throughout the year.*

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## STENOGRAPHY.

Designed for those desiring a thorough acquaintance with a standard system of Phonography. The course includes the elements of Phonography, dictation, commercial forms, reporting style, and is intended to fit for office-work and for general reporting.

The hours are arranged independently for each student, as the individual method of instruction is followed.

This course is not included in the usual College or Academy work and the expense will therefore be $10.00 per term extra.

Text-book: Graham's Standard Phonography.

## TYPEWRITING.

Intended to accompany the course in Stenography. The method of instruction is the new system, or Touch-method. The practice will be on the Smith-Premier Typewriter.

Hours will be arranged for each student. The expense for this course is extra, and will be $4.00 per term, this including the use of machine for practice.

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## SUB-PREPARATORY WORK.

### 270. Grammar Grade Studies.

This course is intended for those who lack the preparation necessary for successfully entering upon the regular academic work. At the same time an excellent review is thus afforded students who expect to teach these subjects in the district schools.

*Fifteen hours weekly, throughout the year.*

# Courses of Study.

## CLASSICAL COURSE.

### FIRST YEAR.

FALL TERM.

HOURS.

*Latin* 201—Grammar and First Latin Book . . . . . 5
*History* 261—Ancient History (Myers) . . . . . 5
*English* 221—English Analysis and Literature . . . . . 5

WINTER TERM.

*Latin* 201—Grammar and Gradatim . . . . . 5
*History* 262—Mediæval and Modern History (Myers) . . . . . 5
*English* 222—Rhetoric and Literature . . . . . 5

SPRING TERM.

*Latin* 202—Cæsar and Prose Composition . . . . . 5
*Civics* 255—Civil Government (Townsend) . . . . . 5
*English* 222—Rhetoric and Literature . . . . . 5

### SECOND YEAR.

FALL TERM.

*Latin* 202—Cæsar and Prose Composition . . . . . 5
*Mathematics* 241—Algebra (Wentworth) . . . . . 5
*English* 223—English Literature (Painter) . . . . . 5

WINTER TERM.

*Latin* 203—Cicero and Prose Composition . . . . . 5
*Mathematics* 241—Algebra (Wentworth) . . . . . 5
*Economics* 256—(Walker's First Lessons) . . . . . 3
*Science* 252—Botany (Coulter) . . . . . 4

SPRING TERM.

*Latin* 203—Cicero and Prose Composition . . . . . 5
*Mathematics* 241—Algebra (Wentworth) . . . . . 5
*Economics* 256—(Walker's First Lessons) . . . . . 3
*Science* 252—Botany (Coulter) . . . . . 4

## THIRD YEAR.

FALL TERM.

*Latin* 204—Vergil and Syntax . . . . . 4
*Mathematics* 243—Plane Geometry (Wentworth) . . . . . 5
*Greek* 211—First Greek Book (White) . . . . . 5
*Science* 251—Physics (Henderson and Woodhull) . . . . . 3

WINTER TERM.

*Latin* 204—Vergil and Syntax . . . . . 4
*Mathematics* 243—Plane Geometry (Wentworth) . . . . . 5
*Greek* 211, 212—First Greek Book and Anabasis . . . . . 5
*Science* 251—Physics (Henderson and Woodhull) . . . . . 3

SPRING TERM.

*Latin* 204 — Vergil and Syntax . . . . . 4
*Mathematics* 243—Solid Geometry (Wentworth) . . . . . 5
*Greek* 212—Anabasis and Grammar (Goodwin) . . . . . 5
*Science* 251—Physics (Henderson and Woodhull) . . . . . 3

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## SCIENTIFIC COURSE.

The studies of the First and Second years of this course are identical with those of the corresponding years of the Classical course.

## THIRD YEAR.

FALL TERM.

*Latin* 204—Vergil and Syntax . . . . . 4
*Mathematics* 243—Plane Geometry (Wentworth) . . . . . 5

*German* 231—Grammar (Thomas) . . . . . 5
*Science* 251—Physics (Henderson and Woodhull) . . . . . 3

WINTER TERM.

*Latin* 204—Vergil and Syntax . . . . . 4
*Mathematics* 243—Plane Geometry (Wentworth) . . . . . 5
*German* 231—Grammar and Grimm's Mærchen . . . . . 5
*Science* 251—Physics (Henderson and Woodhull) . . . . . 3

SPRING TERM.

*Latin* 204—Vergil and Syntax . . . . . 4
*Mathematics* 243—Solid Geometry (Wentworth) . . . . . 5
*German* 231—Grammar; Immensee; L'Arrabbiata . . . . . 5
*Science* 251—Physics (Henderson and Woodhull) . . . . . 3

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## ENGLISH COURSE.

### FIRST YEAR.

FALL TERM.

*Mathematics* 270— Arithmetic . . . . . 3
*Geography* 270—Political Geography . . . . . 5
*English* 270—Orthography and Elocution . . . . . 5
*Bookkeeping* . . . . . 2

WINTER TERM.

*Mathematics* 270—Arithmetic . . . . . 3
*History* 270—U. S. History (Johnston) . . . . . 5
*English* 270—English Grammar . . . . . 5
*Bookkeeping* . . . . . 2

SPRING TERM.

*Mathematics* 270—Arithmetic . . . . . 3
*History* 270—U. S. History (Johnston) . . . . . 5
*English* 270—English Grammar . . . . . 5
*Bookkeeping* . . . . . 2

## SECOND YEAR.

### FALL TERM.

*Mathematics* 241—Algebra (Wentworth) . . . . . 5
*History* 261—Ancient History (Myers) . . . . . 5
*English* 221—English Analysis and Literature . . . . . 5

### WINTER TERM.

*Mathematics* 241—Algebra (Wentworth) . . . . . 5
*History* 262—Mediæval and Modern History (Myers) . . . . . 5
*English* 222—Rhetoric and Literature . . . . . 5

### SPRING TERM.

*Mathematics* 241—Algebra (Wentworth) . . . . . 5
*Civics* 255—Civil Government (Townsend) . . . . . 5
*English* 222—Rhetoric and Literature . . . . . 5

## THIRD YEAR.

### FALL TERM.

*Mathematics* 243—Plane Geometry (Wentworth) . . . . . 5
*English* 223—English Literature (Painter) . . . . . 5
*Science* 253—Physical Geography (Tarr) . . . . . 4
*Science* 251—Physics (Henderson and Woodhull) . . . . . 3

### WINTER TERM.

*Mathematics* 243—Plane Geometry (Wentworth) . . . . . 5
*Economics* 256—(Walker's First Lessons) . . . . . 3
*Science* 254—Physiology (Martin) . . . . . 4
*Science* 251—Physics (Henderson and Woodhull) . . . . . 3

### SPRING TERM.

*Mathematics* 243—Solid Geometry (Wentworth) . . . . . 5
*Economics* 256—(Walker's First Lessons) . . . . . 3
*Science* 252—Botany (Coulter) . . . . . 5
*Science* 251—Physics (Henderson and Woodhull) . . . . . 3

# School of Music.

The School of Music offers superior advantages for the study of music—instrumental, vocal, and theoretical. It is under the direction of able and experienced instructors. Professor Luce is a graduate of the Vermont Methodist College and of the New England Conservatory of Music at Boston. In recognition of his abilities, both as a musician and a teacher, the New England Conservatory has appointed him as one of its official examiners, a distinction accorded only to those few who have manifested exceptional abilities in both these respects.

Professor Luce is very capably assisted by Mrs. Luce, who is also a graduate of the New England Conservatory, and a singer possessed of a beautiful and cultivated voice. Mrs. Luce received her literary training, as well as her earlier musical training, at Oxford, Ohio.

## SPECIAL INFORMATION.

The work of this department is modeled after that of the New England Conservatory, and the distinguishing characteristics of that great institution are incorporated in its method of instruction.

A thorough, progressive, and modern method of instruction is offered in the following: *Pianoforte*, *Vocal Culture and Singing*, *Violin*, *Mandolin*, *Guitar*, *Cornet*, *Clarinet*, *Harmony*, *and the Theory*, *History*, *and Literature of Music.*

The student who successfully completes the six grades in Piano or Voice will receive a diploma which will admit, without examination, to the sixth grade of the New England Conservatory, and with due diligence he may graduate from that institution in one year.

The student completing the first four grades will receive a Teacher's Certificate. This certificate will admit the holder to the fifth grade of the New England Conservatory without examination.

**Piano.**

*First Grade:*—New England Conservatory Method, Part I; Stephen Emery, Head and Hands.

Technical exercises for acquiring correct position of hands and for strengthening fingers.

*Second Grade:*—Koehler, Twelve Little Studies, Op. 157; Duvernoy, Easy and Progressive Studies, Op. 176, Books I and II; Koehler, Primary Studies, Op. 50; Loeschhorn, Melodious Studies, Op. 52, Book I; Loeschhorn, Progressive Studies, Op. 66, Book I; Heller, Studies, Op. 47, Book I; Lombard, Etudes, Book I.

With this grade begins the study of the scales and chords in the major keys. Six of the above studies and from five to ten pieces, together with finger exercises adapted to the needs of the student, must be completed before entering upon the next grade.

*Third Grade:*—Bertini, Op. 29, Book I; Heller, Op. 45, Book II; Krause, Op. 2, Book I (Trill Studies); Berens, Op. 61, Books I and II (Velocity Studies); Czerny, School of Velocity, Books I and II; Bach, Six Short Preludes and Two-Part Inventions, selected and fingered by Franz Kullak; F. Hummel, Music for left hand only, Op. 43; Loeschhorn, Op. 66, Books II and III; Lombard, Etudes, Books II and III.

At least eight of the above studies must be satisfactorily completed in this grade. Practice of scales and chords, together with arpeggios and various finger exercises. Octave studies from Czerny. Vogt and Turner's Octave School and Petersilea's Technique, Book I, will be used if the pupil is sufficiently advanced. Compositions from the various schools.

*Fourth Grade:* — Cramer, Fifty Selected Studies, edited by Von Bulow; Czerny, Op. 740, Books I and II; Bach, Three-part Inventions; Heller, Art of Phrasing, Op. 16; Krause, Studies for left hand, Op. 15, Books I and II; Turner, Four studies for left hand, Op. 29; Heller, Op. 45 or 90; Low, Octave Studies.

Daily practice of scales and arpeggios, varied by legato, staccato, etc., with double thirds, dominant and diminished seventh chords, and arpeggios. Selections from Tausig's Daily Exercises and Petersilea's

Technique, Book II. At least ten of the above studies and scales in all the various forms, major and minor, together with a reasonable number of the best compositions of the masters, classic and modern, will be required of all candidates for the Teacher's Certificate.

*Fifth Grade:*—Clementi, Gradus ad Parnassum, edited by Tausig; Kessler, Op. 20, Book I; Selections from Bach's Well-Tempered Clavichord; Easier numbers of the Chopin Etudes; Moscheles, Op. 70, Books I and II; Kullak, Octave Studies; Alex. Hollander, Six pieces for left hand, Op. 31.

Technical work from Tausig's Daily Exercises. Also Daily Exercises by Faelten, Henselt, and Joseffy. Classical and modern compositions.

*Sixth Grade:*—The more difficult numbers of the Chopin Etudes. Selections from Bach's Well-Tempered Clavichord; Czerny, School for Virtuosity, Op. 365, selected by Bischoff; Liszt, Etudes; Schuman, Op. 13; Turner, Two Preludes and Fugues in Octaves, Op. 22; Six Concert Octave Etudes (New England Conservatory Music Store).

Daily technical work. At least two concert programs selected from the difficult compositions for the piano, must be prepared. The student satisfactorily completing this grade, together with one year of Harmony, Musical History and Literature, and Theory of Music, will be granted a diploma—provided sufficient advancement has also been made along literary lines to enable the student to enter the Freshman class of the College.

### Voice Culture and Singing.

This course is divided into six grades, beginning with the proper placing of the voice, the correct method of breathing, and the production of tone.

The greatest attention is given to the development and strengthening of the natural voice, to distinct enunciation—in fact, to all the essential features necessary for a finished singer.

The method used is the one so extensively taught by Lyman W. Wheeler of Boston, one of America's finest vocal teachers—the old

Italian method, with modifications suggested by the experience of the world's most renowned teachers.

### Violin.

This course is divided into four grades, commencing with the correct manner of holding the instrument and bow, and the production of a smooth, round, and full tone. Studies in the different kinds of bowing, finger exercises, etc. Compositions from the classic and modern composers.

Regular Ensemble Classes are formed to accustom the student to accompany other instruments, thus enabling him to acquire the necessary accuracy in rhythm and pitch.

### Mandolin, Guitar, Cornet, Clarinet.

These courses are divided into four grades. Commencing with the correct method of holding each instrument and the proper production of tone, the student advances through progressive studies and technical exercises to the mastery of the best compositions.

### Orchestra.

A complete orchestra with a membership of fifty has been established, and is now one of the largest college organizations in the West. The instrumentation consists of thirteen first violins, eight second violins, two violas, four violincellos, four contrabassos, five cornets, four clarinets, two flutes, two French horns, three trombones, one tuba, drums, piano, etc. The orchestra has given a number of successful concerts during the year. Any student sufficiently proficient on any instrument will be admitted to this organization.

### Harmony.

The study of Harmony is essential to every student of music and a thorough course in the texts of Emery, Goetchius, and Richter is given.

### Musical Literature and History.

An assigned course of reading is required of every student reaching the last grade of the several courses.

## Recitals.

Private recitals are given every two weeks. Each student is required to take part, and thus acquire that self control and composure so necessary to a satisfactory performance in public.

Public recitals are also given at intervals by those students who acquit themselves most creditably at the private recitals.

## Expenses.

The charges for tuition per term of ten weeks, two lessons each week, are as follows:

| | |
|---|---|
| Piano | $15.00 |
| Voice Culture | 15.00 |
| Violin | 15.00 |
| Mandolin | 10.00 |
| Cornet, Clarinet, and other wind instruments | 10.00 |
| Harmony (in class) | 6.00 |

In classes of two—

| | |
|---|---|
| Piano | $10.00 |
| Voice Culture | 10.00 |
| Violin | 10.00 |

All lessons will be of forty minutes' duration.

Classes in Vocal Sight Reading pro rata according to size of class. Musical History in Literature free to all music students. Tuition payable strictly in advance. No pupil taken for less than a term. No deductions for lessons missed except in case of protracted illness.

For further information, address the Director of the School of Music.

# Degrees and Prizes.

## DEGREES CONFERRED, 1901.

### BACHELOR OF ARTS.

Harry Wilbert Cooper,
Rollin Jacob Fry,
Otho Harold Lucas,
Ralph Thompson McGaughey,
William Arthur White.

### BACHELOR OF PHILOSOPHY.

Della Chidester,
Mary Batty Snook,
Harry Pitkin Thorne.

### BACHELOR OF SCIENCE.

Laura Belles,
Margaret Katherine Black,
Henry Lincoln Frush,
Ralph Day Hunt,
Lucien Berry Jones,
Charles Ricksher,
Frank Green Robb.

### MASTER OF ARTS.

William Leonard Pugh.

### GRADUATE IN MUSIC.

M. Mabel Marson.

## PRIZES AWARDED, 1900-1901.

KELLOGG PRIZE IN ORATORY.

*First*, Walter M. Kilpatrick,
*Second*, Marion B. Twinam.

FOSTER PRIZE IN DEBATE.

Ralph T. McGaughey.

FRESHMAN PRIZES IN DECLAMATION.

*First*, Grace S. Morris,
*Second*, George E. Jones.

BROWN PRIZE IN DECLAMATION.

Harry Mendenhall.

ALDINE PRIZES IN ORATORY.

*First*, Frank A. Lewis,
*Second*, Roy C. Mitchell.

ELZEVIR PRIZE IN ORATORY.

Ethel C. Mitchell.

ALDINE PRIZES IN DEBATE.

*First*, George T. Judy,
*Second*, Albert Harrison.

ORIO PRIZE IN DEBATE.

William O. Waters.

ALETHEAN PRIZE IN ESSAY-WRITING.

Jessie M. Woodroffe.

ELZEVIR PRIZE IN ESSAY-WRITING.

Bonnie M. Manatrey.

ALDINE PRIZES IN DECLAMATION.

*First*, William E. McClain,
*Second*, Harry Mendenhall.

ORIO PRIZE IN DECLAMATION.
David C. Shelby.

ALETHEAN PRIZE IN DECLAMATION.
Margaret Maude Simpson.

ELZEVIR PRIZE IN DECLAMATION.
M. Helen Labagh.

---

# List of Students.

## STUDENTS IN THE COLLEGE.

### GRADUATES.

| | | |
|---|---|---|
| Joseph E. Burkhart, B. A., | Philosophy, | Twin Bridges, Mont. |
| Melvin V. Higbee, B. A., | History, Philosophy, | Corning |
| Hugh Jack, | Philosophy, | Des Moines |
| Albert H. Jordan, B. A., | Greek, History, | Chicago, Ill. |
| Ray C. Smith, B. A., | Philosophy, | Furrukhabad, India |
| Lloyd C. Walter, B. A., | History, Greek, | Enid, O. T. |

### SENIORS.

| | | |
|---|---|---|
| James Wilson Bean, | Cl., | Fairfield |
| Nellie Cecelia Bonfield, | Ph., | Fairfield |
| Mabel Jeannette Buedel, | Cl., | Fairfield |
| Edward Aurelius Culbertson, | Cl., | Chariton |
| Katherine Isabel Hanson, | Ph., | Warsaw, Ill. |
| Arthur Edward Labagh, | Cl., | Fairfield |
| William McCoy, | Sc., | Belfast, Ireland |
| Katharine Louise Sharon, | Ph., | Fairfield |
| Ethel May Smythe, | Cl., | Chariton |
| Marion Beggs Twinam, | Cl., | Lenox |

### JUNIORS.

| | | |
|---|---|---|
| Anna Grace Hague, | Cl., | Libertyville |
| Margaret J. Irwin, | Sc., | Mediapolis |
| Frank Albert Lewis, | Cl., | Essex |
| Mary Jane McCrea, | Cl., | Conway |
| George Haines Mount, | Ph., | Fairfield |
| Frank Lyman Sawyers, | Sc., | Unionville |
| Lulu Belle Smith, | Cl., | Guthrie Centre |
| Zora Mercedes Smythe, | Cl., | Chariton |
| Elizabeth Heaton Whitney, | Cl., | Fairfield |
| Thomas Bruce Young, | Sc., | Promise City |

### SOPHOMORES.

| | | |
|---|---|---|
| Alice Caroline Atchison, | Cl., | Albia |
| Mary Vera Atchison, | Cl., | Albia |
| Elizabeth Alice Black, | Ph., | Fairfield |
| Helen May Clarke, | Ph., | Fairfield |
| Artie Alta Eiker, | Cl., | Lenox |
| Bruce Gobble, | Ph., | Fairfield |
| Albert Harrison, | Cl., | Hiteman |
| Theodore Edward Higley, | Ph., | Fairfield |
| Clara May Hisel, | Ph., | Fairfield |
| Nathaniel Lamson Howard, | Sc., | Fairfield |
| Walter Vincent Hughes, | Ph., | Columbus Junction |
| George Ellis Jones, | Sc., | Centerville |
| Ray Kirkpatrick, | Cl., | Keota |
| Rolla Richard McCormick, | Ph., | Fairfield |
| Charles Adelbert Morgan, | Cl., | Corning |
| Grace Sue Morris, | Ph., | Fairfield |
| Abram Frank Pearson, | Cl., | Washington |
| Eugene Harvey Robinson, | Sc., | Clay |
| Louise Ella Twinam, | Cl., | Lenox |
| William Oral Watters, | Sc., | Fairfield |
| Lois Ruth Work, | Cl., | Flandreau, S. Dak. |

**FRESHMEN.**

| | | |
|---|---|---|
| Helen Alice Bean, | Cl., | Fairfield |
| Clara Belles, | Sc., | Mt. Hamill |
| Martha Frances Black, | Ph., | Fairfield |
| Marshall James Clapp, | Sc., | Fairfield |
| Anna Donnelly, | Cl., | Bonaparte |
| Violette Maie Flower, | Ph., | Fairfield |
| William John Funkey, | Ph., | Fairfield |
| George Woodward Gearhart, | Ph., | Libertyville |
| Willis Craig Knight, | Ph., | Fairfield |
| Flora Mae Lewis, | Cl., | Essex |
| Virgie Clarinda Lucas, | Ph., | Eldon |
| Bonnie May Manatrey, | Ph., | Fairfield |
| Jessie Fye Manatrey, | Ph., | Fairfield |
| John Calhoun McGlade, | Ph., | Winfield |
| Arthur Garfield Moss, | Ph., | Fairfield |
| Ansel Ernest Nutting, | Cl., | Milo |
| Jessie Mozelle Shelby, | Sc., | Selma |
| May Lotus Smith, | Ph., | Mediapolis |
| Olive Clark Swaine, | Ph., | Afton |
| Katherine Julia Tappert, | Ph., | Fairfield |
| Daniel Omer Wilson, | Sc., | Hedrick |
| Eugene Garfield Spencer, | Cl., | Red Oak |

**SPECIALS.**

Mary Jane Brown . . . . . Fairfield
Etta May Grice . . . . . Fairfield
John Jay Hisel . . . . . Fairfield
Arthur Clair Louden . . . . . Fairfield
John Dwight McGaughey . . . . . Russell
Frank Ricksher . . . . . Fairfield
Walter Kerr Roth . . . . . Fairfield
Maud Sheibley . . . . . Fairfield
Samuel Addison Soxe. . . . . Fairfield

## STUDENTS IN THE ACADEMY.

### THIRD YEAR.

| | | |
|---|---|---|
| Nellie Blanche Ball, | Sc., | Fairfield |
| Mary June Calhoun, | Sc., | Fairfield |
| Elva Lida Downing, | Sc., | Keota |
| Flora May Gilly, | Sc., | Brighton |
| Harold Stephen Greenleaf, | Sc., | Unionville |
| Alice May Houston, | Sc., | Allerton |
| Abigail Dunlay Hunt, | Sc., | Fairfield |
| John Gifford Hunt, | Sc., | Fairfield |
| Walter Craig Kirkpatrick, | Sc., | Keota |
| Martha Helen Labagh, | Sc., | Fairfield |
| Clark Hays Lauder, | Sc., | Afton |
| Harry Mendenhall, | Sc., | Fairfield |
| Glenneweir Ringland, | Sc., | Hamilton, Ill. |
| David Clarkson Shelby, | Sc., | Selma |
| Lucy Van Patten, | Sc., | Creston |
| Ethel Elizabeth White, | Sc., | Hinsdale, Mont. |
| Chase Thrall Wilson, | Sc., | Wa Keeney, Kan. |
| Abbie Agnes Work, | Cl., | Flandreau, S. Dak. |

### SECOND YEAR.

| | |
|---|---|
| Thomas Ephraim Banning | Seymour |
| Mary Powell Bean | Fairfield |
| Frances Edna Bradshaw | Fairfield |
| Jessie Penn Ora Bradshaw | Fairfield |
| Harold Brown | Fairfield |
| Charles Barnes Dodds | Richland |
| Howard Park Gage | Fremont |
| Paul Stephen Gearhart | Libertyville |
| Grace Eleanor Houston | Allerton |
| Richard David Hughes | Columbus Junction |

Richard Leslie Hughes . . . . . Columbus Junction
James Lucas Kerr . . . . . Ottumwa
Frank Nelson Lucas . . . . . Stockport
Bessie Kate Meacham . . . . . Clay
Mabel Alice Moyer . . . . . Baker
Beulah Eunice Picken . . . . . Ottumwa
Edna Truman Swaine . . . . . Afton
Bonnie Vernon . . . . . Crawfordsville
Mary Brooks Wilson . . . . . Wa Keeney, Kan,
William Wilbur Wirtz . . . . . Fairfield

**FIRST YEAR.**

Mary Elberta Alexander . . . . . Libertyville
Chester Poag Barker . . . . . Mt. Zion
Jessie Palmer Bosworth . . . . . Clay
Elsie Iowa Crozier . . . . . Oskaloosa
Oren Stewart Fordyce . . . . . Libertyville
Matthew Vernon Picken . . . . . Ottumwa
Ellis William Shilling Rail . . . . . Birmingham
Frank Samuel West . . . . . Fairfield
James DeWitt White . . . . . Hinsdale, Mont.

**SPECIALS.**

Vena Maude Baldwin . . . . . Selma
Edna Sarah Blackford . . . . . Fairfield
Jessie May Davies . . . . . Fairfield
Thomas Charles Davis . . . . . Cotter
Mary Grace Farmer . . . . . Fairfield
Grace Louise Giese . . . . . Danville
Bao Hyiao-jü . . . . . Ningpo, China
Georgia Jarvis . . . . . Middletown
Nellie Grace McGrew . . . . . Fairfield
Dora Anna Payne . . . . . Bladensburg
Clarence Kinney Robb . . . . . Oakville
Charles Dudley Robinson . . . . . Clay

Margaret Maude Simpson . . . . . Diagonal
Elsie Venner West . . . . . Fairfield
C. E. Whitmore . . . . . Bonaparte
Bessie Williams . . . . . Ottumwa
Etta Perle Williams . . . . . Winfield
Winona Emma Wilson . . . . . West Point

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## STUDENTS IN SCHOOL OF MUSIC.

### PIANO.

Ellen C. Alexander,
Rolla Alexander,
Edith Anderson,
Lulu Anderson,
V. Maude Baldwin,
Florence Bell,
Elaine Bevering,
Jessie Bosworth,
Ethel Bradshaw,
Jessie P. O. Bradshaw,
Agnes Brady,
Mabel J. Buedel,
Estelle Clarke,
Ella Cleasby,
Chauncey Conner,
Viola Curtis,
Ethel Davies,
Thomas C. Davis,
Cora Diers,
Della Diers,
Harvey Easton,
Grace Farmer,
May Fisher,
Violette M. Flower,
Jennie Foote,
Bertie Franz,
Inez George,
Grace Giese,
Flora M. Gilly,
Elma Gregg,
Myrtle Hale,
Marie Hammon,
Mrs. A. K. Harper,
Rosalie Harris,
Albert Harrison,
Ida Harvey,
Irene Heizer,
Mrs. F. W. Hinitt,
Nellie Hollander,
Hovey H. Hootman,
Ethel Hoskins,
May Hoskins,
Nellie Hull,
Linna Huston,

Georgia Jarvis,
Laura Kamp,
May Kamp,
Grace Kelly,
M. Helen Labagh,
Mrs. Maud Lamme,
Lillian Le Gresley,
Hazel Lewis,
Maud Lewis,
Della Liblin,
Lenore V. Luce,
Margaret Lyon,
Bonnie M. Manatrey,
Grace McCabe,
May McClain,
Gil Ogden,
Zoe Ogden,
Dora Payne,
Emeline Peterson,
Beulah E. Picken,
Blanche Root,
Edna Roth,
Ethel Roth,
Amy Scheffel,
Iva Scheffel,
Ora Scheffel,
Nettie Schillerstrom,
Blanche Scott,
Era Shores,
M. Maude Simpson,
Eleanor Somers,
Mabel Stanford,
Inez Whitmore,
Esther Williams,
Etta Perle Williams,
Winona Wilson.

VOICE CULTURE.

Rupert Allender,
Jessie P. O. Bradshaw,
Marshall J. Clapp,
Dr. E. P. Crowder,
Viola Curtis,
Eileen Fairall,
Ethel Franz,
William J. Funkey,
Elizabeth Greason,
Clara Gregg,
A. K. Harper,
Irene Heizer,
Theodore E. Higley,
Mrs. F. W. Hinitt,
Hovey H. Hootman,
James B. Hopkins,
Mrs. Myrtle Hyde,
Lillian Le Gresley,
Della Liblin,
Lenore V. Luce,
Margaret Lyon,
Linna Moore,
George H. Mount,
Emeline Peterson,
Edward G. Quigley,
Mabel Raines,
Ruby Sciple,
Frank Simpson,

Jessie V. Spencer,
Nellie Stever,
Anna Sullivan,
J. W. Templeton,
Roscoe Thoma,
Coye Ward,
C. E. Whitmore,
Frank Woods,
T. Bruce Young.

**HARMONY.**

Ellen C. Alexander,
Chauncey Conner,
Thomas C. Davis,
Grace Farmer,
Inez George,
Grace Giese,
Flora M. Gilly,
Mrs. A. K. Harper,
Georgie Jarvis,
Nellie Hull,
M. Helen Labagh,
Mrs. Maud Lamme,
Margaret Lyon,
Ruby Sciple,
M. Maude Simpson,
Mabel Stanford,
Inez Whitmore,
Esther Williams,
Etta Perle Williams.

**VIOLIN.**

Edgar Bean,
J. Carter Collins,
Chauncey Conner,
Thomas C. Davis,
Louis Gilly,
Elma Gregg,
Albert Harrison,
Elmer Hutchinson,
Edward Johnson,
Harry Jones,
Hazel Manatrey,
Esther Moore,
Gil Ogden,
Edward Roth,
M. Maude Simpson,
Leo Thoma,
Inez Whitmore,
Bessie Williams.

**VIOLONCELLO.**

Helen Daugherty.

**CORNET.**

Raymond Charles,
Arthur Cooper,
B. Green,
Carl Harris,
Linna Huston,
Harry Johnson,
Clifford Thoma.

**CLARINET.**

Charles Alexander, Percy Easton,
Arthur Cooper, Robert Louden,
Roscoe Thoma.

**GUITAR.**

Pluma Anderson, Emma Pickard,
Mrs. N. Greason, Ida Quick,
Charles Smith.

**FLUTE.**

Ralph Huston, Chester Scott.

**TROMBONE.**

Raymond Charles, Clyde Conner,
Charles Woelhaff.

**SAXAPHONE.**

Harold Brown, Louis Gilly.

**BARITONE.**

Frank Simpson.

**FRENCH HORN.**

Gil Ogden.

**ALTO HORN.**

Edgar Bean.

**TUBA.**

Chester Scott, Earl Fulton.

## SUMMARY.

| | |
|---|---|
| THE COLLEGE— | |
| Graduates | 6 |
| Seniors | 10 |
| Juniors | 10 |
| Sophomores | 21 |
| Freshmen | 22 |
| Specials | 9 |
| Total | 78 |
| THE ACADEMY | 65 |
| THE SCHOOL OF MUSIC | 140 |
| Total | 283 |
| Number of names enrolled more than once | 24 |
| Net Total | 259 |

# Alumni Association.

**OFFICERS FOR 1901-1902.**

GEORGE A. AXLINE, President.
MRS. SAMUEL J. BROWN, Secretary.
MISS MINNIE B. JENKS, Assistant Secretary.

**Executive Committee.**

C. J. FULTON,
MRS. ORRIN KELLOGG,
MRS. L. J. MARCY,
MISS JANE STEELE.

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NOTE.—*The Alumni Register may be expected to appear as part of the July, 1902, Bulletin. The Alumni are hereby requested to supply the necessary information by filling out the blank form sent for this purpose in connection with the present edition of the Catalogue, and to mail the same at once to G. D. Gable, Secretary of the Faculty.*

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